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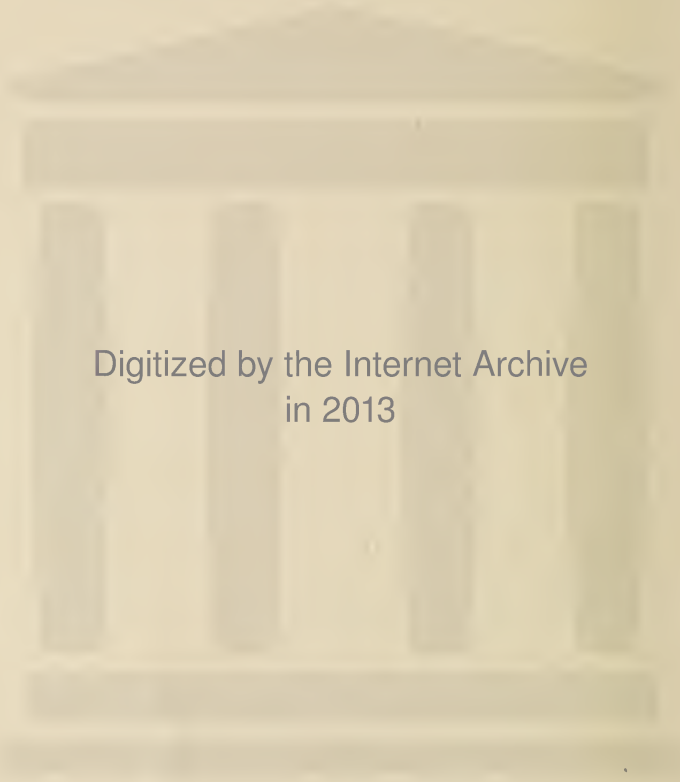

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N.J. Joint outlet sewer commission

MINUTES

OF THE

JOINT MEETING

IN THE MATTER OF AN OUTLET SEWER FOR THE FOLLOWING MUNICIPALITIES IN ESSEX AND UNION COUNTIES, NEW JERSEY.

EAST ORANGE, HILLSIDE, IRVINGTON, MAPLEWOOD, MILLBURN, NEWARK, ROSELLE PARK, SO. ORANGE SUMMIT, UNION, AND WEST ORANGE

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VOL. IV.

PERIOD OF ENLARGEMENT

1927

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OFFICERS AND MEMBERS OF THE JOINT MEETING

During the

PERIOD from JUNE 1926 to JANUARY 1928

MAINTENANCE BODY

CHAIRMAN

William S. Hunt, South Orange.....1926
Wellington Campbell, Millburn.....1927

VICE CHAIRMAN

Wellington Campbell, Millburn.....1926
Harry J. Stanley, Irvington.....1927

SECRETARY

Edward S. Rankin, Newark.....

TREASURER

Simeon H. Rollinson, West Orange.....

ENGINEER

Alexander Potter, New York.....

COUNSEL

Adrian Riker, Newark.....1926

MEMBERS

Irvington .....Harry J. Stanley
Millburn ..... Wellington Campbell
Newark .....James W. Costello
South Orange .....E. Morgan, Barradale
Summit .....Orion O. Oaks
West Orange.... .....Frank A. O'Connor

CONSTRUCTION BODY

CHAIRMAN

SIMEON H. ROLLINSON.....West Orange

VICE CHAIRMAN

HARRY J. STANLEY.....Irvington

SECRETARY

EDWARD S. RANKIN.....Newark

TREASURER

RICHARD S. EARL.....Hillside

ENGINEER

ALEXANDER POTTER.....New York

COUNSEL

ADRIAN RIKER.....Newark 1896
EDWARD G. PRINGLE.....Summit 1927

MEMBERS OF EXECUTIVE COMMITTEE

East Orange .....WILLIAM S. LEVINS
Hillside .....RICHARD S. EARL
Irvington .....HARRY J. STANLEY
Maplewood .....EDWARD HORNBECK
Millburn .....WELLINGTON CAMPBELL
Newark .....THOMAS L. RAYMOND
Roselle Park .....HENRY BIRINGER
South Orange .....E. MORGAN BARRADALE
Summit.....ORION O. OAKS
Union .....CHARLES W. MINK 1926
West Orange ..... AMBROSE B. KLINE 1927
FRANK A. O'CONNOR

At a meeting of the Joint Meeting held January 5th, 1928 it was regularly moved, seconded and carried on roll call that the Secretary be authorized to have the minutes of the Joint Meeting up to December 31st, 1927, bound.

In accordance with this motion this volume is respectfully presented, comprising the minutes of both the Maintenance and Construction Bodies from the organization of the new Joint Meeting on June 12th, 1926 to and including the meeting of December 22nd, 1927.

EDWARD S. RANKIN,
Secretary

Joint Meeting of June 10, 1926.
(Construction)

The meeting held in the South Orange Village Hall was called to order at 8:30 P. M. by Secretary Rankin of the Maintenance body. On roll call the following municipalities responded.

City of East Orange;
Township of Hillside;
Town of Irvington;
Township of Millburn;
City of Newark;
Village of South Orange;
City of Summit;
Township of Union;
Town of West Orange.

Mr. Rankin then read the official call for the meeting.

"WHEREAS, the City of East Orange, the Town of Irvington, the Township of Maplewood, the Township of Millburn, the City of Newark, the Village of South Orange and the Town of West Orange, all in the County of Essex, and the Township of Hillside, the Borough of Roselle Park, the City of Summit and the Township of Union, all in the County of Union, have entered into a joint contract bearing date the First day of June, 1926, for the construction and operation of a joint outlet sewer or sewers, sewage disposal works and appurtenances, which contract has been duly recorded in the office of the Clerks of the Counties of Essex and Union;

"NOW, THEREFORE, we, a majority of the presiding officers of the governing bodies or boards of said municipalities so contracting, having authority to construct sewers, sewage disposal works and appurtenances therein, do hereby fix Thursday, the tenth day of June, 1926, at eight o'clock p. m. (Daylight Saving Time), as the time, and the meeting room of the Trustees of the Village of South Orange, in the Village Hall in the Village of South Orange, County of Essex, as the place at which said governing bodies or boards of said municipalities shall meet in joint meeting for the purpose of organizing as a 'Joint Meeting', pursuant to the statute authoriz-

ing said contract and of electing by ballot a permanent Chairman, Secretary and Treasurer and such other officers, servants and agents, and for fixing their compensation as a majority of the municipal bodies or boards present and voting in such joint meeting shall deem proper and advisable, and to consider such other matters as may properly come before said meeting.

"Dated June 3rd, 1926.

"Charles W. Mink,
"Chairman, Township Committee
"Union, Union Co., N. J.
"A. N. Bagley,
"Mayor, Roselle Park, N. J.
"Richard S. Earl,
"Chairman, Township Committee
"Hillside, N. J.
"David H. Greene,
"Mayor, Irvington, N. J.
"Simeon H. Rollinson,
"Mayor, West Orange, N. J.
"Charles H. Martens,
"Mayor, East Orange, N. J.
"Edward B. Twombley,
"Pres. Council of City of Summit
"George H. Becker,
"President, South Orange Village."

On call for nominations for Temporary Chairman, Mr. Barradale of South Orange was nominated. There being no further nominations an aye and nay vote was taken resulting in his unanimous election.

On taking the Chair Mr. Barradale announced that the first business would be the election of a Temporary Secretary Mr. Rankin was nominated and there being no further nominations was elected by acclamation.

The election of a Permanent Chairman being next in order, Mr. Williams, Counsel for Maplewood asked that a recess of ten minutes be taken to give time for the Maplewood delegation to arrive. The recess was voted and before the expiration of the period allowed both the Maplewood and Roselle Park members entered the room.

At the suggestion of Mr. Riker the roll was again called, all of the eleven municipalities answering present.

The Chairman then called for nominations for Permanent Chairman and Mr. Levins presented the name of Mayor Simeon

H. Rollinson of West Orange. Mr. Stanley nominated Mayor Thomas L. Raymond of Newark. Mr. Raymond asked that his name be withdrawn.

Mr. Riker announced that the election must be by ballot and the Chairman appointed Mr. DeHart and Mr. Pringle as tellers.

Mr. Rollinson receiving eleven votes was declared elected and was escorted to the Chair by Mr. Hunt, and Mayor Raymond.

Mr. Riker immediately administered the Oath of Office.

In a brief speech Mr. Rollinson thanked the members for the honor conferred on him and stated that he had been continuously connected with the enterprise since its inception in 1898. He stressed the fact that the proceedings of the Joint Meeting had always been harmonious and that politics had never entered into their deliberations. He hoped that this spirit might continue and promised his best efforts toward carrying on the work about to be undertaken.

The election of a permanent Secretary being next in order, Mayor Raymond nominated Mr. Edward S. Rankin. It was moved and seconded that the nominations close and the Chairman cast the ballot. Carried. Mr. Rankin was declared elected and the Oath administered by Mr. Riker.

For Treasurer Mr. Pennoyer nominated Mr. Richard S. Earl. There being no further nominations it was moved and seconded that the nominations close and the Secretary cast the ballot for Mr. Earl. Carried.

Mr. Earl was declared elected and Mr. Riker administered the Oath.

It was moved, seconded and carried that a Vice Chairman be elected.

Mr. Harry J. Stanley was nominated and there being no further nominations it was moved and seconded that the nominations close and that the Secretary cast the ballot for Mr. Stanley. The motion was carried and Mr. Stanley declared elected.

Election of Counsel being next in order, Mr. Adrian Riker was nominated. There being no further nominations the same procedure was followed and Mr. Riker declared elected.

Mr. O'Connor then placed in nomination Mr. Alexander Potter for Engineer. On motion duly seconded, the nominations were closed and the Secretary was directed to cast the ballot for Mr. Potter who was thereupon declared elected.

Moved that when we adjourn we adjourn to meet two weeks from tonight at this place at 8 p. m. Carried.

Mayor Raymond presented the following motion which was duly seconded and carried.

> "Moved, that a committee of one from each municipality be appointed by the members here present from each municipality to consider, report and recommend the amount of compensation to be paid to the officers, agents and servants elected by the Joint Body, and to consider, frame, report and recommend rules for procedure and government under the act and to consider, report on and recommend such other matters as may from time to time be referred to such committee, said committee to report to the adjourned meeting of this meeting two weeks from tonight."

On roll call the following members to constitute the Committee were announced.

East Orange,	Wm. S. Levins
Hillside,	Richard S. Earl
Irvington,	Harry J. Stanley
Maplewood,	Edward Hornbeck
Millburn,	Wellington Campbell
Newark,	Thomas L. Raymond
Roselle Park,	Henry Berringer
South Orange,	E. Morgan Barradale
Summit,	Edward B. Twombly
Union,	Charles W. Mink
West Orange,	Frank A. O'Connor.

It was moved and seconded that we proceed to elect an Associate Counsel.

Moved that the motion be laid on the table. Carried.

Moved that the question of Associate Counsel be referred to the Committee. Carried.

On motion the meeting adjourned at 9:30 P. M. to meet on June 24th.

Edward S. Rankin,
Secretary.

Joint Meeting of June 24, 1926.
(Maintenance.)

A regular meeting of the Joint Meeting for Maintenance was held on the above date in the South Orange Village Hall at 7:50 P. M.

There were present Dr. Wellington Campbell, Millburn; F. A. O'Connor, West Orange; E. M. Barradale, South Orange; E. G. Pringle, Summit.

The Engineer, Treasurer and Inspectors were also present.

In the absence of Mr. Hunt, Dr. Campbell occupied the Chair.

The reading of the minutes of the last meeting was on motion dispensed with.

Engineer Potter presented the following report, which on motion was adopted.

"June 24, 1926.

"Joint Meeting,
"Maintenance Body:
"Gentlemen:

"At this season of the year the Joint Trunk Sewer is functioning properly, for the summer rains have little influence upon the volume of flow in the sewers excepting through those sections where there are direct connections to the sewer through leaders or yard areas. It is quite difficult to trace these illegal connections, except by a house-to-house canvass in the areas where such connections are suspected.

"The inspector reports that a number of the old manholes on paved streets are broken, and I would recommend that your engineer be given authority to ask for bids upon new covers of a heavier type than those originally used over the system. Many of the manhole covers that were in the field are now on paved streets, and manholes are subjected not only to traffic but traffic of a very much heavier type than was even dreamed of for street work at the time the sewers were constructed.

"In laying out streets in the Township of Union, the Township engineer has used great care in, as far as possible, arranging streets so as to follow the existing Joint Trunk Sewer Line. In many of the streets, however, it does not seem to have been convenient for the developers to fol-

low the line of the Joint Trunk Sewer. It occurs to me that the Joint Meeting should place itself on record with these developers, so that there should be no question as to the exercise of the right of the Joint Meeting to maintain its right of way over the surface for the maintenance of this Joint Trunk Sewer. I think it would be well that a letter be framed for submission to the various municipalities advising their engineers before accepting plot layouts to take up with the developers the matter of whether or not a modification could be made in their development so that the Joint Trunk Sewer, wherever possible, could be placed along the streets or roads in the devolopment. In places where the Supplementary sewer parallels the existing sewer, subdivisions which are laid out without regard to the Joint Trunk Sewer will undoubtedly increase the cost of rights of way very many fold over that anticipated even a year ago, for most of the developments through Union Township contiguous to the sewer have been laid out during the last year. I am under the impression that if the importance of this matter is brought to the attention of the developers, they will do all in their power to facilitate the Joint Trunk Sewer either by modifying their streets or disposing for lots affected by the Joint Trunk Sewer, with the provision that an easement exists over the property or will be granted for the construction of an additional sewer. Having no organization that could function in this connection before this, no time should be lost in proceeding as promptly as possible to the end that this element of expense for additional right of way can be reduced to a minimum.

"The minutes of the Joint Meeting have been bound in book form and published up to and including the meeting of June 24, 1915. The minutes from June 24, 1915, to the present time will make up a book of about 530 pages as against 436 pages for Volume I and 456 pages for Volume II, both exclusive of the index and maps. The minutes of the Joint Meeting, Maintenance Body, when printed could very properly be included and published with the minutes of the Construction Body. I would, therefore, recommend to the Joint Meeting that the Secretary be authorized to secure bids for the printing of the minutes of the meetings from September 16, 1915, to June 10, 1924, with binding identical to that of Volumes I and II already printed.

"Respectfully submitted,
"Alexander Potter."

It was moved and seconded that the report be received and the recommendations concurred in. 4 ayes no noes.

On motion the meeting adjourned at 8 p. m.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of June 24, 1926.
(Construction.)

An adjourned meeting of the Joint Meeting for Construction was held on the above date at the South Orange Village Hall. The meeting was called to order at 8:25 P. M.

Mr. Rollinson in the Chair.

On roll call all of the municipalities reported present with the exception of Irvington.

The Secretary read the minutes of the last meeting which on motion were approved.

The Secretary then read the minutes of the meeting of the Special Committee. It was moved, seconded and carried that the Report of the Special Committee be spread in full upon the minutes.

The meeting of the special committee appointed at the Organization Meeting on June 10 was held in the office of Mayor Raymond, City Hall, Newark, on Thursday, June 17, at 3 P. M. all the members being present together with the Counsel and Engineer.

Mr. Riker called the meeting to order and the Secretary read the Call for the meeting and called the roll of Muncipalities.

Mr. Rollinson was elected Chairman of the meeting and Mr. Rankin, Secretary.

It was regularly moved, seconded and carried that the question of compensation for officers and members of the Board be taken up. After considerable discussion the following schedule of salaries was agreed upon and it was regularly moved, seconded and carried that they be recommended to the Joint Meeting.

Chairman	$2,500 per annum;
Secretary	3,500 per annum;
Treasurer	2,500 per annum;

The members of the Executive Committee to receive $1,000 per annum in full compensation in lieu of personal expenses.

Moved and seconded that it be recommended that the retainer for Counsel be $2500 per annum with charges for services as rendered. Carried.

Moved and seconded that the appointment of an Associate Counsel be recommended to the Joint Meeting. Carried.

Moved and seconded that it be recommended to the Joint Meeting that the Associate Counsel, when appointed, be paid a retainer of $500 per annum with charges for services as rendered Carried.

On call for nominations Mr. E. G. Pringle of Summit was nominated. There being no further nominations it was moved and seconded that the nominations close. Carried.

Moved and seconded that Mr. E. G. Pringle of Summit be recommended to the Joint Meeting as Associate Counsel. Carried.

The Secretary read the rules adopted by the Joint Meeting on April 10, 1901, and it was decided to adopt the old rules with certain modifications.

The question of time of meeting was first taken up and a discussion followed as to whether the meetings should be held in the afternoon or evening. At the suggestion of Mr. Riker the roll was called resulting as follows:

East Orange,	evening
Hillside,	afternoon
Irvington	afternoon
Maplewood	afternoon
Millburn	evening
Newark	afternoon
Roselle Park	afternoon
South Orange	evening
Summit	evening
Union	afternoon
West Orange	evening.

6 to 5 in favor of the afternoon.

Moved and seconded that the meetings be held in the City Hall, Newark, on the second Thursday of each month at 3 p. m. Carried.

Moved and seconded that the second paragraph of the old rules, regarding special meetings be adopted as written. Carried

Moved and seconded that the third paragraph be adopted as written with the exception of the change from seven to eleven members. Carried.

Moved and seconded that the Chairman shall be ex-officio Chairman of the Executive Committee. Carried.

Moved and seconded that the fourth paragraph be adopted as written except that after "Reading of Minutes" shall be added "Reports of General Officers". Carried.

The rules as recommended read as follows:

"MEETINGS.

"The stated meetings of the Joint Meeting shall be held on the second Thursday of each month at the hour of three o'clock in the afternoon at the Newark City Hall.

SPECIAL MEETINGS.

"Special meetings may be called by the Permanent Chairman of the Joint Meeting at such times as he may think proper, and of which special meeting two days' notice shall be given by the Secretary by a written notice mailed to each member of the governing bodies forming the Joint Meeting.

"Special meetings shall also be called by the Permanent Chairman upon like notice by direction of the Executive Committee.

"COMMITTEES.

"There shall be an executive committee of which the Chairman of the Joint Meeting shall be chairman to consist of eleven members, one to be chosen by the governing body of each municipality composing the Joint Meeting.

"The Executive Committee is hereby empowered to constitute such sub-committees as it may deem proper for the expedition of its work.

"ORDER OF BUSINESS.

"The order of business for the Joint Meeting shall be as follows:

"1. Roll call of Municipalities;
"2. Reading of Minutes of the Previous Meeting.
"3. Reports of General Officers.
"4. Report of Committes.
"5. Unfinished Business.
"6. New Business.
"7. Adjournment.

The question of the compensation of the Engineer was then taken up and the following Resolution presented:

"Resolved, that Alexander Potter be employed to take full engineering charge of the construction of the Supplementary Joint Trunk Sewer, supplying all assistant engineers, draftsmen and helpers of all kind, supplying office space, instruments and all supplies for the preparation of all plans, detail drawings, specifications and forms of contract and for the complete engineering supervision of the work.

"That the compensation to be paid shall be eight per cent (8%) of the actual cost of the work; said 8% in no event to exceed $275,000, and that all sums heretofore paid to Alexander Potter on account of this work shall be charged against said 8% and considered part payment therefor.

"That the matter of what amount of the compensation above provided for shall be paid now on account of services and expenses to date, together with the rate of payments to be made, be referred to a special committee and agreed upon with the engineer as to what is just and proper.

"Further that the Executive Committee, in connection with the Counsel of the Joint Committee, prepare a contract embodying the provisions of this resolution:

"Provision shall be made in such contract that in the event of the death of said Alexander Potter that his rights end then and the percentage of compensation be figured on the value of the services to that date with protection as to services to that time."

On roll call to adopt the Resolution all voted aye.

Mr. Potter read the following statement which on motion duly seconded was received and ordered spread on the minutes and referred to the Joint Meeting.

"June 17, 1926.

"Mr. Simeon H. Rollinson,
"Permanent Chairman, Joint Meeting,
"Newark, N. J.
"Dear Sir:

"For the guidance of the Joint Meeting in reaching an agreement upon reasonable compensation for engineering services in connection with the design and construction of the Supplementary Joint Trunk Sewer, I submit herewith certain evidence as to what is considered just and reasonable compensation for work of the character which I will be

obligated to do as engineer of this enterprise.

"I have assumed all along that the Joint Meeting would follow the practice adopted by the original Joint Meeting in placing full responsibility upon me for the entire project. The successful completion of the work can be assured more positively in this than any other way.

"I submit herewith a printed schedule of fees recommended by the American Institute of Consulting Engineers, Inc., which provides that a proper compensation for the complete engineering supervision of work including the preliminary examinations, surveys, studies, plans, reports, detail plans, specifications, working drawings, advice in the awarding of contracts, general management of the construction, inspection, testing of materials, and responsibility for the organization and management of the work to completion, should be from 10% to 12½%, or more, upon the *actual*, not estimated, cost of the work.

"In fixing this schedule, the Institute points out (paragraph 16, page 27) that the engineer is entitled to additional compensation for services rendered 'in connection with negotiations, legal proceedings, failure of contractors, franchises, or right-of-way.'

"It is unnecessary for me to point out to the members of the Committee the vast amount of work that has devolved upon me during the last 3 or 4 years in connection with this enterprise. I undertook this work with a great deal of pleasure, in response to the direct appeal of our late lamented president, Mr. Francis Speir, who over two years ago told me that unless I was willing to take this up as a personal matter, the project would drag interminably. In deference to the wishes of Mr. Speir, I assumed this obligation and feel that the Joint Meeting will not deny me reasonable compensation for the services already rendered and to be rendered in connection with this enterprise.

"There is no class of work requiring more exacting supervision than the construction of sanitary sewers and sewage disposal; consequently, in fixing fees, the maximum, rather than the minimum, suggested by the American Institute of Consulting Engineers should be the guide in the determination of what is a reasonable compensation to be paid the engineer.

"In substantiation of the relative fairness of the fees as suggested by the American Institute of Consulting Engineers, I would call your attention to the following:

"(1) That the engineering expenses in connection with the New York water supply from the Catskills amounted to 12½% of the cost of the work.

"(2) That the Township of Union has contracted to pay 8% for the engineering work on its proposed sewerage system, exclusive of inspection.

"(3) That the Township of Hillside has contracted to pay 8% for the engineering work on its proposed sewerage system, exclusive of inspection.

"(4) That the engineering on the Passaic Valley sewer, involving an expenditure of over $20,000,000, totaled 8½% of the cost of the work.

"(5) That the engineering on the New York Rapid Transit Co. cost 10%.

"(6) That the Bergen County Chapter of Engineers have fixed a fee of 12½% for all engineering services including the construction of highways, water supplies and other public works.

"In fixing 8% of the actual cost of the work as a fair fee for taking full engineering charge of this work, it must be remembered that I have agreed to deduct the amounts already paid to me, and I am of the opinion that a fee of 8% to cover all engineering supervision, the furnishing of all assistant engineers, resident engineer, a general inspection engineer, draftsmen, rodmen, and all helpers, is reasonable and fair.

"Respectfully submitted,
"Alexander Potter."

Mr. Potter also presented the following communication which on motion duly seconded was referred to the Joint Meeting.

"June 17, 1926.

"Mr. Simeon H. Rollinson,
"Permanent Chairman Joint Meeting, and
"Members of the Special Committee,
"Newark, N. J.
"Gentlemen:

"I wish to bring to your notice various matters which require prompt and special attention and the consideration of which may affect the rules of the Joint Meeting and the appointment of special committees.

"The City of Elizabeth has agreed with me to grant a right-of-way, and in pursuance of this agreement are holding up certain public improvements. It is essential that this matter be taken up at the earliest possible moment and referred to a special committee to act in conjunction with the engineer and counsel, to the end that a definite agreement with Elizabeth be reached. The proposed sewage disposal plant lies partly in the City of Elizabeth and partly in the Township of Linden. It is necessary that the consent of the Township of Linden be procured for the establishment

of the sewage disposal plant, and I would recommend the formation of a special committee to confer with the authorities of the Township of Linden to this end. The appointment of a special committee should also be recommended to act in conjunction with a representative of the community through which the particular rights-of-way are to be procured.

"I would recommend, also, the appointment of a special committee on the specifications and contracts.

"I would also recommend that a call be made on the various municipalities to pay to the Treasurer of the Joint Meeting their proportion of $100,000, as moneys will be needed within a month for lands, rights-of-way and other engineering expenses.

"Respectfully submitted,
"Alexander Potter."

On motion the meeting adjourned at 4:50 P. M.

The recommendations contained in the above report were then taken up. At the suggestion of Mr. Riker the roll was called on the following recommendations all of which were unanimously passed.

Salary of Chairman	$2,500 per annum.
Salary of Secretary	3,500 per annum.
Salary of Treasurer	2,500 per annum.

The members of the Executive Committee to receive $1000. each per annum in full compensation in lieu of personal expenses.

Counsel to receive a retainer of $2,500 per annum with charges for services as rendered.

Associate Counsel to be appointed. Compensation of Associate Counsel to be a retainer of $500 per annum with charges for services as rendered.

That Mr. E. G. Pringle of Summit be appointed Associate Counsel.

The rules recommended by the Special Committee were then read and on roll call the following change was made in the second paragraph:

For "each member of the Governing Body" substitute "and to the Clerks of the several municipalities and to the designated member of each Governing Body."

The rules were then adopted as amended.

In regard to the compensation of the Engineer Mr. Howe of Newark asked who would pay for inspectors if any were ap-

pointed. Mr. Potter stated that he would employ an inspection engineer who would cover the entire work every day. Also that engineer which would cover the entire work every day. Also that all materials would be inspected at his expense. In reply to a question he also said that office space would be provided where plans and specifications could always be seen.

The resolution governing the compensation of the Engineer was then read and on roll call passed.

Moved, seconded and carried that a Special Committee of three members be appointed by the Chair to prepare a contract with Mr. Potter, Mr. Riker to act in connection with this Committee and the Committee to report at the next meeting of the Executive Committee.

The communication from Mr. Potter referring to the usual compensation of engineers was referred to the Special Committee.

The letter from Mr. Potter recommending the appointment of certain special committees was referred to the Executive Committee with power.

Under unfinished business Mr. Riker suggested that the question of bonds for certain officers, the method of drawing checks and the bank or banks in which the funds of the Joint Meeting should be deposited, should be taken up. On roll call these matters were all referred to the Executive Committee.

Under the head of new business, the following resolution was presented and on roll call unanimously passed.

> "Resolved: That the several municipalities raise and pay to the Treasurer of the Joint Meeting the sum of $100,000, which shall be assessed against the joint municipalities which have entered into a contract for the construction of this Supplementary Joint Trunk Sewer, in the proportion fixed by the contract between the several municipalities on Section I as provided for the construction of the Joint Trunk Sewer, as follows:

	Proportion	Amount
"East Orange	7.18%	$7,180
"Hillside	13.34%	13,340
"Irvington	13.41%	13,410
"Maplewood	7.88%	7,880
"Millburn	5.71%	5,710
"Newark	14.71%	14,710
"Roselle Park	10.04%	10,040
"South Orange	4.02%	4,020
"Summit	4.26	4,260
"Union	7.74%	7,740
"West Orange	11.71%	11,710

"RESOLVED: That the Secretary give notice to the various municipalities of such assessments and the proportion thereof to be paid by each of the municipalities; and

"RESOLVED, FURTHER, that the moneys be paid to the Treasurer of the Joint Meeting within thirty (30) days from the date of this notice."

Moved, seconded and carried that the Executive Committee be relieved of this item in the recommendation of Mr. Potter above referred to.

Mr. Potter stated that the Elizabeth City Council would meet at 2:30 P. M. on Monday, June 28th, and asked that a Committee be appointed to attend the meeting with him.

It was moved, seconded and on roll call carried that this Body notify the City of Elizabeth that we are now prepared to go on with the construction of the sewer and that a Committee will wait on them at their meeting next Monday.

Mr. Earl and Mr. Mink were authorized to represent the Joint Meeting with Mr. Potter and any other members who may be able to attend.

The Chair appointed as a Committee of Three on the Engineers Contract, Mr. Barradale, Dr. Campbell and Mr. Hornbeck.

It was moved, seconded and carried that the Secretary be authorized to procure such stationery and books as may be needed, the cost not to exceed $100.

It was moved, seconded and carried that the matter of employing an expert accountant to open the books be referred to the Executive Committee.

It was decided to hold a meeting of the Executive Committee on Thursday, July 1, 1926 at 3 p. m. at the Newark City Hall.

On motion the meeting adjourned at 9:30 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of July 1, 1926.
(Construction)

Executive Committee.

The Executive Committee met on the above date at the Newark City Hall at 3 p. m.

The following members constitute the Executive Committee.

Chairman,	Simeon H. Rollinson
East Orange,	Wm. S. Levins
Hillside,	Richard S. Earl
Irvington,	Harry J. Stanley
Maplewood,	Edward Hornbeck
Millburn,	Wellington Campbell
Newark,	Thomas L. Raymond
Roselle Park,	Henry Berringer
South Orange,	E. Morgan Barradale
Summit,	O. O. Oaks
Union,	Chas W. Mink
West Orange,	Frank A. O'Connor.

On roll call all of the municipalities were found to be present with the exception of Newark, Roselle Park and South Orange.

On motion the minutes of the Special Committee were approved as printed.

The Special Committee to draw a contract between the Joint Meeting and Mr. Potter presented a contract which on roll call was approved anl referred to the Joint Meeting.

The report of the Committee to confer with the Elizabeth authorities was presented by Mr. Potter.

"July 1, 1926.

"Joint Meeting,
"Gentlemen:

"In accordance with the instructions of the Joint Meeting, the Special Committee appointed for that purpose met at the City Hall, Elizabeth, and conferred with the Board of Public Works in reference to the Joint Trunk Sewer.

"Messrs. R. S. Earl of Hillside, C. W. Mink of Union, E. Hornbeck of Maplewood, together with Secretary E. S. Rankin and your engineer, were present.

"A resolution of the Joint Meeting to the effect that the Joint Meeting would proceed with the construction of the sewer forthwith, was submitted.

"The Board of Public Works pointed out that they were being urged to proceed at once with the construction of the pavement on Verona Avenue. They were told that the person most interested in the construction of this pavement was given the right to sewer his street through the Joint Trunk Sewer with the understanding that we would secure from him full co-operation in the construction of this sewer, and that improvements would be held off until such time as this Joint Trunk Sewer was constructed.

"A meeting has been arranged in Elizabeth for to-morrow afternoon, at which the protestants of the petition would be heard and a decision reached as to what action would be taken by the Board of Public Works in connection with the immediate construction of the pavement. From the expression of opinion of the Board of Public Works the construction of this sewer will be deferred for the present year.

"The Board of Public Works took up the discussion of certain conditions that were to be exacted from the Joint Municipal Sewer on June 18, 1924, as per copy herewith. Most of the conditions can be conceded; a number of them, however, will need amplifications and limitations before being written into a contract between the Joint Meeting and the City of Elizabeth.

"Respectfully submitted,
"Alexander Potter."

On motion report was received.

On motion it was recommended that a contract with the City of Elizabeth be drawn involving the tentative conditions which were proposed two years ago and offering to pay $25,000 for the privilege of building the sewer through the City of Elizabeth and particularly protecting the rights of the Joint Meeting in the volume of sewage which Elizabeth would be permitted to discharge into the joint sewer.

It was moved, seconded and on roll call carried that the Engineer and Counsel prepare such a contract to be submitted to the Joint Meeting and if approved by them to be sent to Elizabeth.

Moved that the Engineer be authorized to take up the matter of procuring right of way and construction of disposal works in the City of Linden with Mr. McLean, Counsel for Linden. Carried.

Moved that a Committee be appointed to consist of the members of the Executive Committee through whose municipalities rights of way have to be secured, these municipalities being Union, Maplewood, Irvington, South Orange and Newark, to work in conjunction with the Engineer and Counsel, in securing the necessary rights of way. Carried.

Moved that the salaries of the officers and members be paid monthly from the date of their appointment, June 10, 1926. Carried.

Moved that it be recommended that all checks be signed by the Chairman, Secretary and Treasurer. Carried.

Moved that it be recommended that the matter of selecting a bank or banks in which the funds of the Joint Meeting shall be deposited be referred to the Chairman, Secretary and Treasurer with power to open the accounts provided the same will draw interest at a rate of not less than two per cent per annum. Carried.

Moved that it be recommended that a blanket bond in the amount of $50,000 be secured covering the Chairman, Secretary and Treasurer, the bond to be approved as to form and sufficiency by the Counsel and the premium to be paid by the Joint Meeting. Carried.

Moved that it be recommended that Mr. William E. Williams, C. P. A. of East Orange, of the firm of A. S. Fedde & Co., be employed to open the books of the Joint Meeting at a charge not to exceed $25.00 per day. Carried.

On motion meeting adjourned at 4:10 P. M.

Joint Meeting.
(Construction)

The Joint Meeting convened immediately following the meeting of the Executive Committee. On roll call all municipalities responded with exception of Newark, Roselle Park and South Orange.

On motion the minutes of the last meeting were approved as printed.

Moved, seconded and on roll call carried that the contract with Mr. Potter be approved and executed by the proper officers.

Moved, seconded and on roll call carried that the contract with the City of Elizabeth be forwarded to them after being approved by the Joint Meeting.

Moved, seconded and on roll call carried that the salaries of the officers and members be paid monthly from the date of their appointment June 10, 1926.

Moved, seconded and on roll call carried that all moneys be dispersed by checks signed by the Chairman, Secretary and Treasurer.

Moved, seconded and on roll call carried that the bank or banks in which the funds of the Joint Meeting shall be deposited be referred to the Chairman, Secretary and Treasurer with power to open the accounts provided the same draw interest at a rate of not less than two per cent per annum.

Moved, seconded and on roll call carried that William E. Williams, C. P. A. of East Orange of the firm of A. S. Fedde & Co, be employed to open the books of the Joint Meeting at a charge not to exceed $25.00 per day.

Moved, seconded and on roll call carried that the Engineer be given authority to take up the question of rights of way and construction of disposal works in Linden and Elizabeth with Mr. McLean.

Resolved, that the Engineer together with Mr. Frank A. O'Connor be and they are hereby authorized to secure options on land to be used for the disposal works at a price not to exceed $5,000 per acre and to pay therefor not more than 15% of the purchase price for land under each option; said deposit to be part of the purchase price should the offer be accepted.

On motion the meeting adjourned at 4:40 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of July 8, 1926.

Executive Committee.

The Executive Committee of the Joint Meeting for construction met in the Newark City Hall on the above date at 3 p. m. Mayor Rollinson in the Chair.

On roll call all municipalities responded except Newark and Summit. Messrs. Riker, Pringle and Potter were also present.

The approval of the minutes of the last meeting was laid over until the next meeting.

On call for a report from the Committee on Contract with Elizabeth, Mr. Riker said owing to unexpected difficulties it was impossible to get the contract in shape for this meeting.

Regarding the bond covering the Chairman, Secretary and Treasurer, Mr. Stanley reported that it was being drawn by Mr. Riker.

Mr. Williams the expert engaged to open the books stated that he was studying the system used by the Passaic Valley Sewer Commission and would be prepared to report next week.

Mr. Potter stated that he had within the last hour obtained an option on the Day property, about six and one half acres, for the disposal plant at $3000 per acre, and had paid a deposit of $500 to bind the bargain. The option was referred to Mr Riker who pronounced it satisfactory.

It was moved, seconded and on roll call carried that the option be approved and referred to the Joint Meeting.

It was moved, seconded and on roll call carried that Mr. Potter be requested to prepare a plot of the lands necessary for the disposal plant, to be presented at the next meeting, and that options be secured on such other lands as may be necessary.

Mr. Potter also stated that he had had a conference with Mr. McLean on the Linden matter and that Mr. McLean would take it under advisement.

Mr. Earl stated that the fewer accounts opened, the less complicated would be the bookkeeping and moved that all funds be deposited in the Hillside Bank until other depositories were named. Seconded and on roll call carried.

The Secretary presented checks received from West Orange and Irvington for the first assessment in the amounts of $11,710. and $13,410 respectively.

Mr. Potter said that under his contract a payment was to be made to him on the delivery of the plans and estimates to the Joint Meeting. He presented the plans for filing with the Secretary and asked that he be paid. Moved, seconded and on roll call carried that the plans be checked by the Chairman and Secretary to ascertain if the provisions of the contract had been complied with.

Moved that an Auditing Committee of three be appointed by the Chair. Carried. The Chair appointed Messrs. Campbell, Levins and Mink.

Moved that Counsel be requested to present a bill for his services to date. Carried.

On motion the meeting adjourned at 3:45 P. M.

Joint Meeting.

(Construction.)

The Joint Meeting convened immediately following the adjournment of the Executive Committee.

The following matters recommended by the Executive Committee were taken up, regularly moved, seconded and on roll call carried.

Option on Day property, approved.

Mr. Potter to prepare plot of further necessary lands and secure options on same.

All funds to be deposited in the Hillside Bank until other depositories are named.

The plans, etc. filed by Mr. Potter referred to Chairman and Secretary for checking.

The appointment of an Auditing Committee.

Mr. Riker stated that all bills should be presented to the Joint Meeting and not to the Executive Committee.

On motion the Engineer was requested to submit plats of the rights of way which will be required to the Right of Way Committee.

It was moved that when we adjourn, we adjourn to meet on July 15th at the close of the Executive Committee Meeting. Carried.

Moved, seconded and on roll call carried that Mr. Potter be reimbursed for the $500. paid by him for the Day option.

On motion the meeting adjourned at 4 p. m.

EDWARD S. RANKIN,
Secetary.

Joint Meeting of July 15, 1926.

(Maintenance.)

A meeting of the Body for Maintenance was held in Newark, City Hall, on the above date at 3 p. m. All members being present. Mr. Hunt in the Chair.

The minutes of the last meeting were approved as printed.

The following bills were read and on roll call ordered paid, after being approved by the Auditing Committee.

Alexander Potter	June salary	83.33
C. W. Sandford	" "	200.00
J. J. Keating	" "	150.00
E S. Rankin	" " and office	35.16
S. H. Rollinson	2nd quarter salary	62.50
Weibezahl Print	Printing Minutes	26 00
N. Y. Telephone Co.	Telephone service	29.44
Miller & Pillsbury	Stationery.	18.50

The Secretary reported that he had received three bids for binding the minutes from 1915 to 1926, the lowest being from the Weibezahl Print and recommended that the work be given to them. On roll call the recommendation was concurred in. 6 ayes, no noes.

The Secertary also requested authority to have an index made. On roll call he was so authorized, the cost not to exceed $75.00. 6 ayes no noes.

On motion the meeting adjourned at 3 p. m.

Joint Meeting of July 15, 1926.
(Construction.)

Executive Committee.

The Executive Committee of the Joint Meeting for Construction met at the Newark City Hall on the above date at 3:15 P. M. Chairman Rollinson presiding and on roll call all members present except Newark.

On motion the minutes of the meetings of July 1 and 8 were approved.

Mr. Potter being called on, presented a map showing the proposed disposal works and stated that the Day property contained 6.16 acres instead of 6.5 acres.

Mr. Riker submitted a draft of the contract with Elizabeth which was read by the Secretary. It was moved that the con-

tract submitted be approved for submission to the City of Elizabeth and referred to the Joint Body for its approval and that this contract be so extended as to provide that permission be given to Roselle Park to use certain streets in Elizabeth for the purpose of connecting their sewers with the supplementary Joint Trunk Sewer. The motion was on roll call carried.

Mr. Costello asked if there was a maximum limit to the amount of sewage which Elizabeth could discharge into the Joint Trunk Sewer. Mr. Potter stated that there was no maximum fixed but that the area which could be drained into it would contribute not more than 750,000 to 1,500,000 gallons.

Mr. Riker presented a letter from the United States Fidelity & Guaranty Company which was read by the Secretary stating that they could not furnish a blanket bond as requested.

Moved that the matter be referred back to Mr. Stanley to report at the next meeting. On roll call carried.

Mr. Stanley for the right of way committee stated that this Committee organized last Thursday and have received plans from Mr. Potter and will report further next week.

Mr. Williams presented form of check. It was moved that the form of check be referred to the Auditing Committee, with power. On roll call carried.

Mr. Potter recommended that additional lands in Elizabeth corresponding with the piece already under option be purchased for the disposal plant on account of the opposition by the Standard Oil Company. Moved that the Committee previously appointed be empowered to secure options on the Bauer land. On roll call carried.

Mr. Potter reported progress on the agreement with the City of Linden.

Mr. Rollinson reported that the plans filed by Mr. Potter at the last meeting had been checked with those on file in Mayor Raymond's office and recommended that the Engineer be paid under his contract.

It was moved and on roll call carried that the Engineer be paid $30,000. due under his contract.

Mr. Riker presented his bill for services. Moved that Mr. Riker be paid the sum of $2500.00 for legal services preliminary to the organization of the Joint Meeting. Carried on roll call.

On motion the meeting adjourned at 4:15 P. M.

Adjourned Meeting. (Construction.)

A meeting of the Joint Meeting adjourned from July 8 convened at 4:15 P. M.

Mr. Rollinson in the Chair. On roll call all municipalities responded with the exception of Newark.

On motion the minutes of the last meeting were approved as printed.

The Secretary read the following bills which on roll call were referred to the Auditing Committee and ordered paid if found correct.

S. H. Rollinson	June salary	138.88
Richard S. Earl	June salary	138.88
E. S. Rankin	June salary	194.44
Wm. S. Levins	Executive Committee for June	55.56
R. S. Earl	Executive Committee for June	55.56
H. J. Stanley	Executive Committee for June	55.56
Edward Hornbeck	Executive Committee for June	55.56
Wellington Campbell	Executive Committee for June	55.56
Thomas L. Raymond	Executive Committee for June	55.56
Henry Biringer	Executive Committee for June	55.56
E. M. Barradale	Executive Committee for June	55.56
O. O. Oaks	Executive Committee for June	55.56
Chas W. Mink	Executive Committee for June	55.56
F. A. O'Connor	Executive Committee for June	55.56
Alex. Potter	Refund on Day option	500.00
Alex. Potter	Payment on account of contract	30,000.00
Adrian Riker	Services Preliminary to Organization	2500.00
E. S. Rankin	Expense Account	23.20
Weibezahl Print	Printing Minutes	71.50

Mr. Levins moved that the vote taken at the last meeting approving the option on the Day property be reconsidered. Mr. O'Connor stated that as a member of the Committee he had not had an opportunity to view the land and thought that the option should not be approved until this had been done.

Mr. Potter apologized for making the report without consulting Mr. O'Connor and explained that it was necessary to close the deal immediately or lose the opportunity. On roll call, the motion to reconsider was carried by a vote of 6 to 4.

After some further discussion it was moved and unanimously carried that the matter be laid on the table for one week in order to give Mr. O'Connor opportunity to view the property and make his report.

It was moved that when we adjourn, we adjourn to meet on Thursday, July 22, 1926 at 3:30 P. M.

On motion the meeting adiourned at 4:45 P. M.

EDWARD S. RANKIN,

Secretary.

Joint Meeting of July 22nd, 1926.
(Construction.)

Executive Committee.

A meeting of the Joint Meeting was held on the above date at the Newark City Hall at 3 P. M.

On roll call, all municipalities responded with the exception of Newark and South Orange.

On motion, the minutes of the last meeting were approved as printed.

Mr. Stanley reported progress for the Right-of-Way Committee.

Mr. Riker reported progress on the Elizabeth contract.

Mr. Potter stated that he had talked with Mr. McLean in reference to the Linden agreement and that he had suggested that we make formal application to the City of Linden for the right to construct the sewer through their streets. Mr. Potter did not approve of going further with the matter at this time. No action was taken.

Mr. Stanley reported in connection with the indemnity bond that the National Surety Company would write a blanket bond but that it would be separated as follows:—

Treasurer—	$50,000—	premium—	$125.00
Secretary—	15,000—	" —	22.50
Chairman	10,000—	" —	15.00
		Total	$162.50

It was moved that the report be received and recommended to the Joint Meeting for adoption. Carried.

The following letter from A. S. Fedde & Co., was read:

"July 22, 1926.

"Mr. Simeon H. Rollinson, Chairman,
"Joint Meeting.
"Newark, New Jersey.

"Dear Sir:

"With respect to the installation of the accounting system, we wish to report that the work has progressed as far as we can go until we receive the check voucher from the printer.

"The printer has promised to deliver the checks in time to enable us to submit our system report to the Joint Meeting on Thursday, July 29th.

"Respectfully submitted,
"A. S. Fedde & Co."

Mr Levins moved that we increase the Committee on Purchase of Lands for the Disposal Plant to three members. The matter was recommended to the Joint Meeting.

Mr. Potter stated that Mr. Collins, Engineer of Elizabeth was opposed to having any part of the Disposal Plant located in Elizabeth. He said that this plant was comparable to the plant now in operation in Syracuse, N. Y., and suggested that Mr. Collins be invited to go to Syracuse, with a committee of the Joint Meeting, to inspect their plant.

At Mr. Riker's suggestion, it was moved that we recommend to the Joint Meeting that a resolution be passed to acquire lands for the Disposal Plant in the cities of Elizabeth and Linden as shown on the plans submitted by the Engineer. Motion was carried on roll call.

Moved that a formal application be made to the City of Linden for permission to locate the Disposal Plant at the location shown within the City of Linden according to the plans prepared by the Engineer, and on file in the office of the Secretary. Carried on roll call.

Mr. Mink moved that it be recommended that a committee of three of this body be appointed to go to Syracuse, accompanied by the Engineers of Linden and Elizabeth, to make an inspection of their disposal plant. Carried on roll call.

On motion, the meeting adjourned at 4 P. M.

Joint Meeting.
(Construction.)

The Joint Meeting convened immediately following the adjournment of the Executive Committee.

The minutes of the last meeting were approved as printed.

The following matters, recommended by the Executive Committee, were taken up and on roll call, carried.

Bonds in the amount of $50,000 for the Treasurer, $15,000 for the Secretary and $10,000 for the Chairman, to be taken out with the National Surety Company at a total premium of $162.50.

The Committee on Purchase of Lands for the Disposal Plant to be increased to three. The Chairman appointed Mr. Mink as the additional member of the Committee.

Resolved that the Joint Meeting acquire lands for a Disposal Plant located in Elizabeth and Linden, as shown on plans submitted by the Engineer.

Recommendation that a committee be appointed to go to Syracuse to inspect their disposal plant and that the Engineers of Elizabeth and Linden be invited, approved. Messrs. Stanley, Mink and Hornbeck were appointed as the committee.

It was moved that the approval of the Day option be taken from the table. On roll call, carried. Mr. O'Connor explained his position and stated that he believed the cost was excessive. It was moved that the matter be referred back to the committee to report at the next meeting. Seconded and carried on roll call.

Moved that the matter of the Day option be laid on the table until the committee has reported. Carried.

Moved and on roll call, carried, that the expenses of the committee, the Engineer and the Engineers of Elizabeth and Linden on the Syracuse inspection trip, be paid by the Joint Meeting.

Moved that further action on the contract with Elizabeth be postponed until after the Syracuse committee reports. Carried.

The Secretary presented the following bills; which on roll call, were ordered paid after being approved by the Auditing Committee.

Adrian Riker, retainer for year	$2500.00
Edward G. Pringle, " " "	500.00
Miller & Pillsbury, stationery.....	31.75

Moved that when we adjourn, we adjourn to meet next Thursday afternoon at the close of the Executive Committee Meeting.

On motion, the meeting adjourned at 4:30 P. M.

EDWARD S. RANKIN,
Secretary.

(iled January 13, 1925.)

Joint Meeting of July 29th, 1926.

(Construction.)

Executive Committee.

A meeting of the Executive Committee of the Joint Meeting was held in the Newark City Hall on the above date at 3:15 P. M. Mayor Rollinson in the chair.

On roll call the following municipalities responded,—East Orange, Hillside, Irvington, Maplewood, Millburn, South Orange and Union. There were also present—Engineer Potter, Counsel Riker, Assistant Counsel Pringle, Engineers Costello of Newark and Kreh of Union, and Mr. Williams of A. S. Fedde & Company.

On motion the minutes of the last meeting were approved as printed.

Mr. Stanley for the Right-of-way Committee reported that Mr. Potter recommended that we immediately secure the Balnicke lot on Westfield Avenue opposite Monmouth Road. The purchase of this lot was recommended by the Right-of-Way Committee. It was moved that the Executive Committee recommend to the Joint Meeting that an option be secured on the Balnicke lot at a price not to exceed $80. per front foot,—the option to run for not less than 30 days, and that the Committee be authorized to pay 10% of the purchase price to bind the option. The motion was carried on roll call.

For the Committee on Lands for the Disposal Plant, Mr. Mink stated that he and Mr. O'Connor had met Mr. Bauer and made an offer of $2,500 per acre for his land. Mr. Bauer stated that his price was $4,500 per acre and that he had been offered $3,000 some time ago. He finally compromised on $4,400 per acre and the option was secured,—a deposit of $500. being paid. It was moved that the report be concurred in and that it be recommended that the Joint Meeting approve this option.

Mr. Potter stated that arrangements had been made for the Committee to go to Syracuse next Tuesday night, returning on Wednesday night.

Mr. Stanley reported that the Indemnity Bond had been

made out to cover the positions and not the individuals so that in case of a change in office, the bond would be automatically continued. He submitted the bond and moved it be referred to the Counsel for approval. Carried.

Mr. Williams for A. S. Fedde & Company presented the books and report for approval.

"July 22, 1926.

"Joint Meeting,
"Newark, New Jersey.
"Gentlemen:

"In accordance with your instructions, we have devised and installed an accounting system for the Joint Meeting. The system has been designed to gather the cost of construction of the Supplementary Joint Trunk Sewer by sections, so that the costs of the various sections can be apportioned to the Municipalities in the manner prescribed in the contract entered into by the eleven Municipalities engaged in the project.

"There has been installed a loose-leaf book divided into the following three sections.

"Cash Receipts and Disbursement Book.

"Journal.

"General Ledger.

"We have also designed a check voucher to be used in making cash disbursements.

"In connection with the installation of the accounting system, we submit for use as a reference the following:

"EXHIBIT A. General Ledger Chart of Accounts.

"EXHIBIT B. Schedule of Percentages for Apportionment of Costs.

"A brief outline of the various books and the manner of operating them is furnished below.

"CASH RECEIPTS.

"The cash received side of the book has been arranged to show the date, from whom received, amount received, assessment number and amount received thereon, and two columns for sundry amounts received such as interest on bank balances, charges for house connections, etc.

"CASH DISBURSEMENTS.

"The cash disbursements side of the book has been arranged to show the date, to whom payment is made, check voucher number, amount of check, and five columns for the distribution of the disbursements under captions of salaries, construction section number and amount, and two columns for

miscellaneous disbursements such as general expenses, printing, stationery, etc.

"All cash disbursements should be supported by properly approved and audited check vouchers, which are described hereinafter. The checks should be entered in numerical sequence.

"Journal.

"This book should be usel to record transfers between accounts, adjustments and corrections of accounts. It also should be used in setting up on the books assessments made on the Municipalities for cash.

"General Ledger.

"Postings should be made to this book monthly from the cash book and the Journal. A chart of the general ledger accounts is furnished on Exhibit A. of this report.

"All postings should be made in detail (excepting the postings to the cash account) showing the date, name, explanation, check voucher number, and amount.

" A trial balance of the accounts should be taken off regularly.

"Check Voucher.

"All bills should be checked and approved by the one authorized to make the purchase. The bills, when signed, should be forwarded to the Secretary, who will have a voucher issued covering the bill or bills of the creditor. These vouchers with the bills attached, should be presented to the Joint Meeting, after which they should be examined by the Auditing Committee.

"When the voucher has been passed by the Joint Meeting and the Auditing Committee, the check attached thereto should be filled in under the direction of the Secretary, entered in the cash disbursements record, and forwarded to the Chairman and the Treasurer for their signatures. The check and the voucher should then be returned to the Secretary, who will sign the check and forward it with the voucher to the creditor to be receipted. In accordance with the instructions of the Counsel, all vouchers, except for salaries, must be sworn to by the creditor at the time the check is received.

"General Ledger Chart of Accounts — Exhibit A.

"There is shown on this Exhibit the accounts necessary for the preparation of financial statements showing cash receipts from Municipailities, and the amounts expended for construction of the various sections and for salaries and

expenses. The general ledger account sheets have been provided with columns for obtaining details of the cost of construction under the captions of amounts paid contractors, portion of engineer's fee, cost of rights of ways, and other costs.

"Complete details of any account can readily be obtained by reference to the vouchers enumerated in the account in support of the entries therein.

"Schedule of Percentages for Apportionment of Costs —Exhibit B.

"This exhibit shows in summary form the percentages to be used in apportioning costs and expenses to the Municipalities.

"Inasmuch as the assessments or calls on the Municipalities for cash will probably be made without reference to the particular manner in which the money will be expended, it is evident that periodic reports must be prepared to show the status of the accounts of Municipalities at a given date.

"A call for $100,000. might be made on the Municipalities based on the percentages shown for Section One, and the money might be expended for construction work on Section Four in which only three Municipalities are interested.

"Statements should be prepared frequently to show the effect of the application of the cash receipts in the manner described above, and the surplus or deficiency of each Municipality should be adjusted when a call or assessment is next made after the results have been determined.

"We would recommend that no apportionment of costs be entered on the books until final costs of all sections have been established on the records.

"We shall be pleased to furnish any further information regarding the accounting that you may desire.

"Respectfully submitted,
"A. S. Fedde & Co."

EXHIBIT A.

JOINT MEETING

ACCOUNT NUMBER.	ACCOUNT.
1.	Cash in Bank (use letters for different banks, A - B - C).
2.	Petty Cash
10.	City of East Orange
11.	Township of Hillside
12.	Town of Irvington
13.	Township of Maplewood
14.	Township of Millburn
15.	City of Newark
16.	Borough of Roselle Park
17.	Village of South Orange
18.	City of Summit
19.	Township of Union
20.	Town of West Orange
21.	Cash Advances Requested from Municipalities
30.	Construction Costs — Section 1
31.	" " — " 2
32.	" " — " 3
33.	" " — " 4
34.	" " — " 4A
35.	" " — " 5
36.	" " — " 5A
37.	" " — " 5B
38.	" " — " 5C
39.	" " — " 6
40.	" " — Treatment Plant
41.	Engineer's Fee (to be apportioned to Sections)
51.	Salaries (Chairman, Secretary, and Treasurer)
52.	Counsel and Associate Counsel Retainer Fees
53.	Compensation of Members of Executive Committee
54.	Stationery Supplies and Printing
55.	Miscellaneous Expenses
65.	Interest Received
66.	Miscellaneous Income
75.	Maintenance

Exhibit B.

JOINT MEETING

Schedule of Percentages for Apportionment of Costs.

Total Costs, Damages and Expenses of Sections.

	1	2	3	4	4-A	5
	%	%	%	%	%	%
East Orange	7.18	7.99				18.52
Hillside	13.34	14.82				
Irvington	13.41	14.88				34.47
Maplewood	7.88	8.76	14.64	20.73		7.48
Millburn	5.71	6.34	16.75			
Newark	14.71	16.34				37.84
Roselle Park	10.04					
South Orange	4.02	4.48	9.93	17.71	22.34	1.69
Summit	4.26	4.75	12.59			
Union	7.74	8.60	11.61			
West Orange	11.71	13.04	34.48	61.56	77.66	
	100.00	100.00	100.00	100.00	100.00	100.00

	5–A	5–B	5–C	6	Treatment Plant	Credit under Sec. 3
	%	%	%	%	%	%
East Orange	51.11		35.05		5.52	
Hillside					10.25	
Irvington		66.71			13.66	
Maplewood					7.10	
Millburn				39.20	6.02	16.79
Newark	48.89	33.29	55.00		15.55	
Roselle Park					9.48	
South Orange			9.95		6.02	23.71
Summit				60.80	7.53	32.43
Union					6.32	
West Orange					12.55	27.07
	100.00	100.00	100.00	100.00	100.00	100.00

Legal, Clerical and Incidental Expenses apportioned equally.

On motion the Committee adjourned at 3:30 P. M.

Joint Meeting.

(Construction.)

On roll call the following municipalities responded — East Orange, Hillside, Irvington, Maplewood, Millburn, South Orange and Union.

On motion, the minutes of the last meeting were approved as printed.

On recommendation of the Executive Committee, the following motions were regularly made, seconded and on roll call carried:—

Moved that an option be secured on the Balnicke lot at a price not to exceed $80. per front foot,—the option to run for not less than 30 days, and that the Committee be authorized to pay 10% of the purchase price to bind the option.

Moved that the Bauer option be approved.

Moved that Mr. Potter be reimbursed for the $500. paid by him for the Bauer option.

In the matter of the Day option, Mr. Mink reported that he had seen the land and believed that the price paid was low. He stated that other interests were prepared to buy the property and to pay a higher price, and suggested that Mr. Potter's recommendation to pass a vote of thanks to Mr. Day for his courtesy in the matter should be acted on.

A motion was made that the approval of the Day option be taken from the table. The roll being called, the resolution was adopted.

It was then moved that the Day option be approved, and on roll call, the motion was declared adopted.

Mr. Riker approved the bond both as to form and amount. It was moved, and on roll call carried, that the bond be accepted.

It was moved that the Treasurer be empowered to issue a check in the amount of $400. for the Balnicke option on call of Mr. Mink. Carried on roll call.

Moved and on roll call carried, that the bond be placed in the custody of the Counsel.

Mr. Potter suggested that a committee of the four Union County members, be appointed to wait on the Union County Park Commission in reference to securing right-of-way through Union County parks. Carried.

The Secretary then read the following communication from Mr. Potter.

"July 22, 1926.

"To the
"Joint Meeting.
"Gentlemen:

"In refernce to the width of the right of way required where the sewer parallels the existing Joint Trunk Sewer, an additional right of way of 10 feet should be secured wherever possible. In some special cases, this is not practical. Where the sewer does not parallel the existing Joint Trunk Sewer, in general a permanent easement of 20 feet should be secured. In either case, an additional temporary right of way of 50 feet should be secured, wherever possible.

"On the fourth section near South Orange Avenue, the sewer is projected under the river. I presume the ownership of adjacent property runs to the center of the river. The sewer can be wholly laid on one side of the center of the river, but I presume that arrangements must be made—temporarily, at least, with the owners on both sides. As stated in a previous report to the Right of Way Committee, I will be glad to confer with the gentlemen selected to secure rights of way, as to any modifications that may be requested by land owners, which would facilitate the procuring of rights of way without substantially affecting the working of the sewer.

"I would call to the attention of the Joint Meeting that there are two lots in Section 1 which the Joint Trunk Sewer must own, at least temporarily—one, on Westfield Avenue belonging to Balnicke of Roselle Park; the other, on Acme Street belonging to William Kleinhaus. The lot on Westfield Avenue is the only lot which is not occupied by a house, and it is the intention of the owner to begin the construction of a home on this in the near future. On Acme Street the line is shown upon the plan diagonally across three unoccupied lots. Within the last month, houses have been built upon these lots. The line can be modified as shown upon the plan as Alternate B, at an expense of $3,000 to run up Acme Street for 120 feet, thence across the lot belonging to William Kleinhaus into the park lands. There is still a possibility that the Park Board must permit the use of the Alternate line A, although we have no promise from them to permit us to pass under their garage. If

Alternate A is adopted, it will lessen the original cost of the sewer about $2,000. In our negotiations with the Park Board I would recommend that a committee comprising the members of the Joint Meeting in Union County wait upon the Park Commission and secure from them permission to construct the sewer upon the most favorable terms to the Joint Meeting. While this matter with the Park Board is still pending, I would recommend the procuring of an option on the Kleinhaus lot, if this can be done for a relatively small sum.

"Respectfully submitted,
"ALEXANDER POTTER."

It was moved that the letter be received and referred to Counsel to report and advise at the next meeting.

Moved that when we adjourn, we adjourn to meet at the close of the Executive Meeting next Thursday afternoon. Carried.

Moved and on roll call, carried, that the Right-of-Way Committee be authorized to secure an option if possible from the Standard Oil Company for their lands needed for the Disposal Plant, at a price not to exceed $5,000 per acre, and to pay a deposit of 10% of the purchase price to bind the option. Said sum to be later applied on the purchase price. On roll call, the motion was adopted.

Mr. Riker stated that he wished to go away on a vacation during the month of August. It was moved and carried that Mr. Riker be granted a leave of absence for the month of August.

On motion, the meeting adjourned at 4 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of August 5th, 1926.

(Construction.)

Executive Committee.

A meeting of the Executive Committee of the Joint Meeting was held on the above date in the Newark City Hall at 3 p. m.

Mayor Rollinson in the Chair.

On roll call the following municipalities responded:

East Orange, Irvington, Maplewood, Millburn, South Orange and Union.

On motion the minutes of the last meeting were approved as printed.

Mr. Potter presented a report which on motion was referred to the Joint Meeting for approval. Mr. Potter stated also that it was essential to procure deeds for the Day and Bauer properties at the earliest possible date. Mr. Pringle said that the matter would be attended to by him.

It was moved that we recommend to the Joint Meeting that the Treasurer be authorized to issue warrants for acquiring the Day and Bauer tracts. Carried.

Mr. Stanley for the Right of Way Committee reported that the Committee had met earlier in the afternoon and recommended that we authorize Mr. Kreh to procure an option on the Kleinhaus lot at a price not to exceed $80 per foot and to pay 10% of the purchase price to bind the option. It was moved that this be recommended to the Joint Meeting.

Mr. Mink reported that he together with Mr. O'Connor and Mr. Potter had interviewed representatives of the Standard Oil Co. and Bay Way Terminal regarding the Standard Oil lands. They were not prepared to make a final report at this time.

Mr. O'Connor desired to be recorded as still considering the price of $3,000 per acre paid for the Day property too high.

Mr. Potter said that a meeting had been arranged with the Union County Park Commission for August 13th and asked that all members able to attend this meeting do so.

It was moved that the report of the Auditors printed in the minutes of July 29th be recommended for approval.

On motion the meeting adjourned at 3:20 p. m.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of August 5th, 1926.
(Construction.)

The Joint Meeting was called to order immediately following the adjournment of the Executive Committee.

Mayor Rollinson in the Chair and the following municipalities responding on roll call.

East Orange, Hillside, Irvington, Maplewood, Millburn, South Orange, Union, West Orange. Mr. Potter, Mr. Pringle and Mr. Costello were also present.

The minutes of the last meeting were approved as printed.

Moved that the report of the Engineer to the Executive Committee be approved and spread on the minutes.

"August 5, 1926.

"To the

"JOINT MEETING:

"Gentlemen:

"Immediately upon the execution of the contract, engineers were placed in the field to secure the necessary data to prepare the additional detail drawings required prior to the letting of the contracts and the submission of the plans to the State Department of Health. Permanent bench marks tying up with the levels at Sandy Hook have been established over the entire length of the proposed new construction. A force has been put to work in making hour-by-hour samples of the sewage, to determine the amount of solids of suspended matter in the sewage and the amount of chlorine contained in the sewage. It is the intention of continuing these hourly observations for a period of a month, for the purpose of having a basis of comparing the sewage to be treated by our plant with the sewage treated in the Syracuse plant, the general arrangement of which plant we propose to utilize both with respect to its form and for guidance with respect to the period of retention.

"We have been able to make no progress whatever in the way of preparing detail drawings of the sewage disposal plant pending a final decision of the sewage disposal plant.

"When the site projected for our sewage disposal plant along the Linden-Elizabeth City line was first decided upon, it was considered by all to be a most ideal situation for the disposal plant required by the State Department of

Health. In the meantime, the property included within the area selected is desired for other purposes than that of sewage disposal. The Bayway Terminal Co. are under contract with the New York Cotton Exchange for the expansion of their facilities, which will require the ownership of the lands which we are under option to purchase from Frederick K. Day for the full development of their project.

"Within the last 2 or 3 months the Standard Oil Co. have developed a project for the utilization of their lands in the vicinity of the proposed disposal never dreamed of originally, which will make it embarrassing to them to dispose of any of the land required for the disposal plant.

"With the Leavitt and Bauer tract and the Day tract in our possession, we need but a relatively few acres of the Standard Oil property to round out our holdings to give sufficient land upon which to construct our plant; but if in attempting to establish the plant at this point we are faced with possible litigation because of the proposed improvement of the Standard Oil Co. and the Bayway Terminal Co., it is the part of wisdom to co-operate with these interests if such co-operation will result in our procuring a site which will enable us to proceed immediately with the construction of our sewage disposal plant unhampered.

"It is impossible to apply to the State Department of Health for their approval to our plant, because the State Department of Health insist upon having plans prepared showing what we propose to do, and until the matter of location has been definitely settled such plans cannot be completed.

"The proposed visit to the Syracuse plant has been postponed pending a definite application to the authorities in Linden for permission to locate the disposal plant in their territory, at which time they can officially appoint a committee or a representative to visit the plant similar to the one we propose to install. While the question of location of the disposal plant remains uncertain, it is difficult to make an intelligent application to the Linden authorities.

"Respectfully submitted,
"ALEXANDER POTTER."

The Secretary read the following letter from Mr. Riker.

"July 21st, 1926.

"E. S. Rankin, Esq.,
"Secretary of the Joint Meeting,
"City Hall,
"Newark, N. J.
"Dear Sir:

"In compliance with the direction of the Joint Meeting I submit an opinion as to certain matters contained in the letter of Alexander Potter addressed to the Joint Meeting under date of July 22nd, 1926.

"1. Rights of Way acquired for existing sewer.

"Without having before me each grant, I am unable to express a definite opinion as to the effect of the grants. I suggest that there should be prepared maps showing the private rights of way required for the supplementary sewer which should indicate the parts of such rights of way as may coincide with the existing rights of way, the parts that are new and the parts that are to be taken only for temporary use. I think it is evident that the existence of the rights of way for the existing sewer must detract from the value of the property involved in such rights of way.

"2. Title to lands in the fourth section near South Orange Avenue under the river.

"In general I think it may be assumed that in case these properties bound on the river title runs to the middle of the river. If the construction of the sewer under the river affects the whole of the river bed, of course, the right to construct the sewer must be obtained from the owners on both sides of the center line.

"Yours very truly,
"ADRIAN RIKER."

Moved that the communication be received and spread on the minutes and referred to the Right of Way Committee and that the Engineer be requested to provide the necessary drawings. Carried on roll call.

The following matters recommended by the Executive Committee were regularly moved and seconded and on roll call carried.

That the Treasurer be authorized to issue warrants for acquiring the Day and Bauer tracts.

That Mr. Kreh be authorized to procure an option on

the Kleinhaus lot at a price not to exceed $80.00 per foot and to pay ten per cent of the purchase price to bind the option, said ten per cent to apply on the purchase price.

Mr. Hornbeck stated that while he had voted aye on the motion he considered the price high.

That the report of the Auditor submitted at the last meeting be approved.

It was moved, seconded and on roll call carried that it is the sense of this meeting that the Treasurer submit monthly reports as to the financial condition of the Joint Meeting.

Moved that a form of option be printed for the use of the Right of Way Committee. Mr. Pringle to prepare the form. Seconded and on roll call carried.

It was regularly moved, seconded and on roll call carried that the following bills be referred to the Auditing Committee and paid if found correct.

William S. Levins,	Executive Committee	$ 83.33
Richard S. Earl	" "	83.33
Harry J. Stanley	" "	83.33
Edward Hornbeck	" "	83.33
Wellington Campbell	" "	83.33
Thomas L. Raymond	" "	83.33
Henry Biringer	" "	83.33
E. Morgan Barradale	" "	83.33
O. O. Oaks	" "	83.33
Chas. W. Mink	" "	83.33
Frank A. O'Connor	" "	83.33
S. H. Rollinson	Salary for July	208.33
Richard S. Earl	" " "	208.33
Edward S. Rankin	" " "	291.66
Alexander Potter	Refund on Bauer option	500.00
Harry J. Stanley	Officers' Bonds	162.50
Weibezahl Print	Printing Minutes	51.00
Edward S. Rankin	Expense Account	8.80
		$2,347.25

On motion the meeting adjourned at 3:40 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of August 12th, 1926.

(Construction.)

Executive Committee.

A meeting of the Executive Committee was held on the above date at the Newark City Hall.

The meeting was called to order by Chairman Rollinson at 3 p. m.

On roll call the following municipalities responded:

East Orange, Hillside, Irvington, Maplewood, Millburn, South Orange and Summit.

Representatives from Union and West Orange came in shortly after roll call.

Mr. Pringle, assistant counsel, and Mr. Hess of Mr. Potter's office were also present.

On motion the minutes of the last meeting were approved as printed.

Mr. Pringle stated that he had prepared blank option forms for the use of the Right of Way Committee. He also reported that he would be ready to take title to the Day property next week.

Mr. Hess said that progress was being made on the tests at the outlet of the sewer and also on the levels being run throughout the entire district.

He stated that Mr. Potter felt that we should have an interview with the Linden authorities regarding the location of the disposal plant and suggested that arrangements be made to meet them some evening. He said also that the Union County Park Commission had requested a postponement of the meeting with them from 3:30 to 4:30 tomorrow afternoon. It was regularly moved and seconded that the Secretary communicate with the Linden authorities asking for a conference next Thursday evening at 8:15. Carried.

Moved that we meet the Union County Park Commission tomorrow at 4:30 P. M.

For the Right of Way Committee Mr. Stanley reported

that a contract of sale had been taken for the Balnicke lot in the name of Louis Schaefer which could be transferred at any time. It was regularly moved and seconded that we recommend to the Joint Meeting the purchase of this property, that the contract between Balnicke and Louis Schaefer for $4000 on which $100 has been paid be assigned to the Joint Meeting on the payment of $100 to Louis Schaefer and that Counsel be instructed to make a search of the title. Carried.

On motion the meeting adjourned at 3:15 P. M.

Joint Meeting of August 12th, 1926.

(Construction.)

The Joint Meeting convened immediately following the adjournment of the Executive Committee.

On roll call all municipalities responded excepting Newark and Roselle Park.

On motion the minutes of the last meeting were approved as printed.

The following matters recommended by the Executive Committee were taken up and on roll call carried.

> That the Secretary communicate with the Linden authorities asking for a conference next Thursday evening at 8:15.
>
> That the contract between Balnicke and Louis Schaefer for $4000 on which $100 has been paid be assigned to the Joint Meeting on the payment of $100 to Louis Schaefer and that Counsel be instructed to make a search of the title.

It was moved that the Treasurer be authorized to issue a warrant for $100 to Louis Schaefer for the purpose of carrying out the above motion. Carried on roll call.

The Treasurer presented the following report.

Total receipts		$85,290.00
Total disbursements		39,557.06
Balance		45,732.94
Disbursements:		
Alex. Potter	30,000.00	
" "	500.00	
Adrian Riker	2,500.00	
E. G. Pringle	500.00	
Adrian Riker	2,500.00	
Alex. Potter	500.00	
H. J. Stanley	162.50	
Printing etc.	186.25	
Salaries & Expenses	2,708.31	
	39,557.06	

RICHARD S. EARL,
Treasurer.

The Secretary presented the following bill for moneys advanled by the Maintenance Body prior to the organization of the Construhtion Body which on roll call was ordered paid after being approved by the Auditing Committee.

S. H. Rollinson Treasurer, $619.50

It was moved that when we adjourn we adjourn to meet on next Thursday afternoon at the close of the Executive Committee meeting.

On motion the meeting adjourned at 3:25 p. m.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of August 19th, 1926.

(Construction.)

Executive Committee.

The Executive Committee met at the Newark City Hall on the above date at 3 P. M.

Mayor Rollinson in the Chair. On roll call all municipalities were present with the exception of Newark and Roselle Park.

On motion, the minutes of the last meeting were approved as printed.

Mr. Pringle reported that everything was ready for taking title to the Day property and that the matter would probably be closed tomorrow. That he was working on the Bauer title and that the transfer of the Balnicki option would have been made but that Mr. Schaefer had gone out of town. This matter would be closed as soon as he returned.

Mr. Mink made a report on the visit of the Committee on the Union County Park Commission, stating that, while the Commission were first opposed to allowing the sewer to be bullt through the Park, after hearing the arguments presented have changed their attitude. Mr. Earle said that the Chairman of the Park Commission had been to see him and said that they had decided to allow the sewer to be built through the Park and that he did not think we would have to purchase the Kleinhaus lot.

On motion the meeting adjourned at 3:10 P. M.

JOINT MEETING

The Joint Meeting met following the adjournment of the Executive Commtttee.

On roll call all municipalities responded with the exception of Newark and Roselle Park.

On motion the minutes of the last meeting were approved as printed.

Mr. Potter being called on, presented the following report:

"To the

"JOINT MEETING:

"Gentlemen:

"Since the last report, your engineer has continued surveys and the setting of stakes for the final location of the sewer throughout the various sections. He is also continuing an examination of the sewage flow (samples taken hourly), to determine the amount of suspended solids contained in the sewage and also the effect of the hourly fluctuations of the flow. Periodic observations are also being made of the amount of suspended matter in the Passaic Valley sewer and its hourly fluctuations, in order that we might be able to make a comparison of the amount of sludge to be handled at our plant as opposed to that of the Passaic Valley, the quantity of which is known.

"Until we were in actual possession of the lands purchased for the sewage disposal site, we have not been in a position to make any headway in preparing final plans of the sewage disposal plant. Tite should pass to this property either to-day or to-morrow.

"Your engineer met with the committee appointed to confer with the Union County Park Commission. on Friday August 13th, and the committe's report will be submitted by the Secretary. The engineer of the Park Commission advised me, the day following the meeting, that the Park Commission had reconsidered their action and that, in all probability, we will be able to pass through the Park on even a more favorable line than anticipated. He advised me that while a grant might be given for the construction of the sewer through the Park that would obviate the necessity of the purchase of the Kleinhaus property it would be advisable to secure an option upon the

Kleinhaus tract in case they should ultimately decide that this was the most favorable route over which they would grant a permit. Negotiations for the purchase of the Kleinhaus tract were suspended, because if the Park Commssion did not recede from its original recommendation, the Kleinhaus tract would not be needed, for in that event we would be obliged to stick to the streets of Elizabeth and, consequently, would have no use for the Kleinhaus property. I have received no definite communication from the engineer of the Park Commission as to the final location that he proposes to recommend to the Park Commission.

"I would recommend that two gauges be purchased in connection with a permanent record of the sewage flow through the City of Elizabeth. I have hesitated about including this recommendation in the report to the Construction Body, but as the data to be secured from this record is of interest to Roselle Park, Hillside and Union, the recommendation for the purchase of these gauges, in my opinion, is properly a matter for the Construction Body. The estimated cost of these gauges will be $200., and I ask for the authorization of their purchase.

"An informal meeting has been arranged for this evening between the Linden Township authorities and the Linden Board of Health to discuss the question of the approval of the Linden authorities to the construction of the sewage disposal plant within their territory. It is to be hoped that, as a result of this meeting, a definite date can be set for the visit to the Syracuse plant.

"Respectfully submitted,
"ALEXANDER POTTER."

On roll call the report was received and ordered spread on the minutes.

It was moved, seconded and on roll call carried that the recommendation regarding gauges be concurred in.

Mr. Potter showed a map of plans in the vicinity of the proposed disposal plant and explained the conditions existing there.

Mr. O'Connor asked about the allocation cost of Section 1 as compared with that of the disposal plant. Mr. Potter explained that the disposal plant was based on the total flow and Section 1 on the capacity in the new sewer.

The Secretary stated that, acting on authority previously given, he had drawn warrants for $17,980 for the acquisition of the Day property and $100 for the purchase of the Balnicki option.

On roll call, the action of the Secretary was confirmed.

The Secretary presented the following bills which, on roll call, were approved and ordered paid after being approved by the Auditing Committtee:

Weibezahl Print	Printing Minutes	$ 24.00
A. S. Fedde & Co.	Installing Accounting	265.44

It was moved that when we adjourn, we adjourn to meet next Thursday at the close of the Executive Committee meeting.

On motion, the meeting adjourned at 3:40 P. M.

Edmard S. Rankin,
Secretary.

Joint Meeting of August 26, 1926.

(Construction.)

Executive Committee.

The Executive Committee met at the Newark City Hall at 3 P. M. on the above date.

Mayor Rollinson in the Chair.

On roll call, the following municipalities responded: East Orange, Hillside, Irvington, Maplewood, Summit, Union, West Orange.

Mr. Hunt, Chairman of the Maintenance Body, Mr. Pringle and Mr. Potter were also present.

On motion, the minutes of the last meeting were approved as printed.

Mr. Pringle, being called upon, said: That the Schaeffer contract had been assigned and turned over to Mr. Stanley; that the Day title had been closed and the Bauer title is now being searched.

Mr. Earl reported for the Committee on Lands for the disposal plant that, at the meeting held in Linden on August 23rd, 1926, the Linden authorities expressed themselves as being opposed to the location of the plant in their City.

Mr. Stanley, for the Right of Way Committee, presented the Balnicki contract and moved that it be referred to counsel. Carried.

Mr. Potter stated that he had received a letter from Mr. Watson, Chairman of the Linden Board of Health to the effect that if a request should be made to locate the Disposal Plant in Linden, it would be refused. He said that he had had a conference with Mr. Clark, Vice President of the Standard Oil Company, who promised to give the support of his Company to securing a location for the plant. He also said that he had been to Trenton to see members of the State Board of Health and told them of the difficulty we were having in locating the disposal works and asked that we be given permission to build the sewer, leaving the question

of disposal works temporarily in abeyance, and recommended that an application be made to the State Board of Health along these lines. It was moved that we recommend to the Joint Body that a request be made to the State Board of Health allowing us to proceed with the construction of the sewer while the question of the location of the disposal plant is still pending.

On motion, the meeting adjourned at 3:20 P. M.

Joint Meeting.

(Construction)

The Joint Meeting met immediately following the adjournment of the Executive Committee.

The recommendation of the Executive Committee regarding application to the State Board of Health for permission to proceed at once with the construction of the sewer was regularly moved, seconded and, on roll call, carried.

The following bill was presented:

Frederick K. Day, Adjustment of Taxes $7.92.

On roll call, the bill was ordered paid after being approved by the Auditing Committee.

Mr. Stanley presented a letter to Mr. Bedford, Director of Revenue and Finance of Irvington, from Hawkins, Delafield & Longfellow, bond attorneys, in reference to the issuance of bonds. On motion, the letter was referred to Counsel, for his suggestion, as to the legislative amendment there proposed. It was moved that it is the sense of this meeting that we should act together in this matter if counsel approved the proposed amendment. Carried.

Moved that when we adjourn, we adjourn to meet at the close of the Executice Committee meeting next Thursday.

On motion, meeting adjourned at 3:45 P. M.

EDWARD S. RANKIN,
Secretary

Joint Meeting of September 2, 1926.

(Maintenance.)

The Maintenance Body met at the Newark City Hall on the above date at 3 P. M.

There were present Wm. S. Hunt, Chairman, Thomas L. Raymond, Newark, E. M. Barradale, South Orange, O. O. Oaks, Summit, and F. A. O'Connor, West Orange. The Engineer and Treasurer were also present.

On motion, the minutes of the last meeting were approved as printed.

The Treasurer presented the following report, which, on motion, was approved and ordered printed in the minutes.

"To the various Municipalities Comprising the Joint Trunk Sewer Meeting:

"Gentlemen:

"The Treasurer respectfully reports that on the 10th day of June, 1926, the date of his last report, he had on deposit in the Orange National Bank, the sum of $1,927.94 with no warrants outstanding, so that the total amount of cash on hand at the date of that report was the sum of $1.927.94.

"The Treasurer further reports that since the date of his last report he has deposited in the Orange National Bank the sum of $2,759.50, and has been allowed interest by said bank to the amount of $5.78, as shown on Schedule I hereunto annexed.

"The Treasurer further reports that since the date of his last report he has executed warrants, as shown on Schedule II hereunto annexed, amounting to $1,821.55, so that the total amount of cash on hand at the date of this report is the sum of $2,871.67, with warrants Nos. 3372 and 3383, totalling $17 still outstanding, so that the Treasurer has on deposit in the Orange National Bank the sum of $2,888.67.

"All of which is respectfully submitted, this twenty-sixth day of August, 1926.

"Simeon H. Rollinson.
Treasurer."

SCHEDULE I.

"Deposits:

June 10—Balance, Cash on Hand			$1,927.94
15—City of Summit	$300.00		
16—Town of Irvington	300.00		
17—Town of West Orange	300.00		
21—Town of Millburn	300.00		
Village of South Orange	300.00		
29—Tap Fee	10.00		
July 16—Tap Fee	10.00		
20—City of Newark	600.00		
Aug. 3—Tap Fees	20.00		
10—Joint Meeting (Misc.)	619.50		
		2,750.50	
Aug. 26—Interest allowed by Bank		5.78	
			$4,693.22

SCHEDULE II.

Disbursements:

June 11—C. W. Sandford	3370	79.75	
John J. Keating	3371	4.64	
W. G. Dassing	3372	10.00	
Wm. S. Hunt	3373	10.00	
F. A. O'Connor	3374	10.00	
Wellington Campbell	3375	15.00	
E. M. Barradale	3376	5.00	
H. J. Stanley	3377	15.00	
J. W. Costello	3378	10.00	
E. W. Pringle	3379	15.00	
Graham King	3380	5.00	
C. W. Sandford	3381	5.19	
Typewriter Form Let. Co.	3382	5.00	
Geo. W. Frost & Son	3383	7.00	
John R. Franke	3384	79.80	
Wm. B. Martin	3385	3.50	
John H. Scott	3386	81.75	
Weibezahl Print	3387	287.00	
Weibezahl Print	3388	26.00	
E S. Rankin, Secy	3389	32.00	
Miller & Pillsbury	33.90	7.50	
17—Campbell Foundry Co.	3391	30.00	
Alexander Potter	3392	83.33	

	S. H. Rollinson	3393	62.50
	C. W. Sandford	3394	200.00
	J. J. Keating	3395	150.00
	E. S. Rankin	3396	35.16
July 16—	Weibezahl Print	3397	26.00
	N. Y. Tel. Co.	3398	29.44
	Miller & Pillsbury	3399	18.50
30—	Alexander Potter	3400	83.33
	C. W. Sandford	3401	200.00
	J. J. Keating	3402	150.00
	E. S. Rankin	3403	29.16
			$1,821.55

Balance, Cash on Hand, August 26, 1926..... $2,871.67

The following bills were read and on roll call ordered paid after being approved by the Auditing Committee:

Alex. Potter	July salary	83.33
C. W. Sandford	" "	200.00
J. J. Keating	" "	150.00
E. S. Rankin	" "	29.16
Alex. Potter	August salary	83.33
C. W. Sandford	" "	200.00
J. J. Keating	" "	150.00
E. S. Rankin	" "	29.16
Campbell Foundry Company	Manhole heads	17.00
F. W. Fort, Jr.	Liability premium	39.40
C. W. Sandford	Expense account	4.15
C. W. Sandford	Auto expenses	36.70
E. S. Rankin	Expenses for Index for Vol. III	5000
E. S. Rankin, Sec'y.	Petty cash	32.00

The Engineer presented the following report; which on motion was received and odered printed and the recommendations concurred in:

"September 2, 1926.

"To the
"JOINT MEETING.
(Maintenance Body)

"Gentlemen:

"In accordance with the action of the Joint Meeting, sewers have been constructed in Congress Park requiring three connections to the Joint Trunk Sewer. A short stretch of 12" pipe has been laid on Potter Avenue in the Township of Union connected with the Joint Trunk sewer, the flow from which is chargeable to Union Township's quota. A 15" connection has also been made in Green Lake to take care of the Elizabeth section of Union Township. The flow from this is also chargeable to Union Township's quota. The South Mountain Estates have developed their property and constructed several miles of sewers with connections in the Joint Trunk sewer. The flow from these sewers is chargeable to the Millburn quota. Three private house connections have been made to the Joint Trunk Sewer on Potter Avenue, chargeable to Union Township's quota.

"The inspector informs me that George Larney who with his father has been entrusted with the care of the Elizabeth River crossing, since the completion of the Joint Trunk Sewer is desirous of remaining in this position but that as his out of pocket expenses in connection with keeping this crossing clean have amounted to $15 this year, he asks that his salary be raised to $25 a year. Mr. Sandford has kept in close touch with his work and recommends that his request be granted, and I concur in the recommendation of the inspector.

"On August Street the Water Company in the laying of the new main for some reason best known to them, perhaps to cross under a culvert, excavated a trench deeper than the existing Joint Trunk Sewer but immediately adjacent to the sewer. The result was that the sewer collapsed and it was necessary to relay it for a distance of 44 feet. This has been done at the expense of the Water Company, the Joint Meeting furnishing a new manhole cover. The work was supervised personally by Mr. Keating's assistant inspector, and is in a satisfactory condition.

"The heavy rains have destroyed several of our meters, and it will be necessary in the near future to replace most of the meters with new ones. I have delayed recommending the purchase of meters until I have decided upon a type that will be fully serviceable in the new sewer.

"The inspector reports that they were obliged to stop the Elizabethtown Water Company from trying to lay their water main in close proximity to the Joint sewer, on account of the heavy air compressor drills jarring the sewer; they were permitted to cross over our sewer, and secured sufficient depth by cutting 2 inches out of the top sewer, which gives them enough cover to prevent freezing.

"There is much construction work going on throughout the district which affects the Joint Trunk Sewer itself, the raising and lowering of manholes, etc., that the inspectors are called upon to devote more and more time to their duties, and I would recommend that a committee be appointed to consider the question of an increase in compensation for the inspectors or the furnishing them with additional assistants.

"Respectfully submitted,

"ALEXANDER POTTER."

The Chairman appointed Messrs. Stanley and Barradale to consider the question of increasing the compensation of the inspectors.

On motion the meeting adjourned at 3.15 p.m.

Joint Meeting of September 2, 1926.

(Construction.)

EXECUTIVE COMMITTEE

The Executive Committee met at 3.15 P.M. at the Newark City Hall on the above date. Mayor Rollinson in the Chair. On roll call all municipalities responded except Irvington, Millburn and Roselle Park.

On motion the minutes of the last meeting were approved as printed.

Mr. Pringle reported that the Bauer title would be ready to be closed next week and that the Balnicki title would also be ready shortly.

Mr. Potter presented the following report:

"September 2, 1926.

"To the JOINT MEETING:

"Gentlemen:

"The protracted rains during the last month have again demonstrated the inadequacy of the present Joint Trunk Sewer and the need of the immediate construction of the Supplementary Joint Trunk Sewer. Many millions of gallons, daily, of crude sewage overflow from many points along the line of the sewers an increasing number of times each year, causing serious pollution in the Rahway River and the Elizabeth River. From these two rivers potable water supplies are taken and served to the citizens of Elizabeth and Rahway. At times this overflow of crude sewage into water supply streams continues for weeks at a time.

"Besides the pollution of the water supplies of the City of Elizabeth and the City of Rahway, the filth coursing along these rivers is decidedly objectionable to the riparian owners and people living in the vicinity, and the surcharged condition of the sewers causes many cellars to be flooded with sewage, tending to create pestilence and disease, besides being an intolerable nuisance to people whose cellars are flooded.

"With the growth of the contributing municipalities, this pollution is increasing from year to year and is becoming a greater menace to the water supplies thus polluted. As the condition cited above is a matter of common knowledge, it is byond my comprehension why this has been permitted to continue so long or why the courts have not been appealed to by the persons affected, to put an end to this unbearable nuisance. There can be no doubt but that the life and health of the people of Elizabeth and Rahway are jeopardized by the polluting of these streams with crude sewage, for the efficient filter plants constructed on both these water supplies do not form a positive line of defense to sufficiently safeguard the consumers during periods when the rivers are greatly polluted by the discharge of crude sewage into the streams.

"This condition can only be remedied by the construction of the Supplementary Joint Trunk Sewer. The

concerted action of the eleven municipalities in combining to solve this important problem has not been easy to secure. The viewpoints of the various municipalities as to their respective responsibilities for the cost, differ, and a discussion of the various factors arising in the determination of this problem has consumed much time. Realizing the menace, all of the contributing municipaities have agreed upon the construction of this Supplementary Joint Trunk Sewer and have appropriated money, not only for the Supplementary Joint Trunk Sewer, but also for a disposal works to treat the sewage from the existing sewer and the Supplementary Sewer as well, in accordance with the general stipulations of the State Department of Health. To treat the sewage thus delivered through the existing sewer and the proposed Supplementary Joint Trunk Sewer, a sewage disposal plant must be located at or near tidewater.

"We have complied with the request of the State Department; we have designed the sewage disposal plant in accordance with their general requirements, and have already purchased a site on which we can build the sewage disposal plant either in the City of Elizabeth or the City of Linden, but find that neither of these cities stands ready to permit the construction of such a plant within their borders. The contention of these two cities is that a disposal plant for each of the conjointly contracting municipalities should be constructed within their own borders. I am satisfied that it will be found impracticable within the meaning of the law governing such cases, to build a disposal plant within the limits of any of the jointly contracting municipalities, because of the fact that we are under contract to provide sewerage facilities for the City of Elizabeth, both through the Joint Trunk Sewer and through the Roselle Park sewer in Elizabeth as well as the Joint Trunk Sewer in Union Township.

"As it will take a year to construct a sewage disposal plant and two years to construct the Supplementary Joint Trunk Sewer, I took up with the Director of the State Department of Health, on August 23rd, the matter of a permit for the construction of the Supplementary Joint Trunk Sewer, pending the determination of a definite site for the sewage disposal plant.

"Another important consideration in the construction of the section of the Supplementary Joint Trunk Sewer not affected by the sewage disposal works, is that the paving program in many of the municipalities is to be held up pending the construction of the Supplementary Joint Trunk

Sewer, interfering very seriously with traffic and travel through the municipalities whose paving program is thus interfered with.

"Very little of the sewer will be affected in any way by any changes in the location of the sewage disposal plant; consequently the immediate construction of this Supplementary Joint Trunk Sewer will hasten the time when the nuisance now caused can be eliminated.

"I am this day in receipt of a letter under date of August 31, 1926, from H. B. Costill, M. D., Director of the State Department of Health, which reads as follows:

"'Mr. Alexander Potter, C. E.
"'50 Church Street,
"'New York City, N. Y.

"'Dear Sir:

"'In the discussion you held with me in my office on August 23rd upon the construction of additional trunk sewers in the Joint Outlet project, you requested an expression of opinion from the Department upon the construction of these lines in the near future, postponing until a definite site is selected the construction of the sewage treatment plant. I suggest that you forward this request and the reasons for the same in a letter to the Department, and also information upon the location of the sites being considered for the sewage treatment plant. Upon the receipt of this information, I will be pleased to move for the presentation of the request to the Board. It is also requested if the Joint Outlet Committee has received from its general counsel an opinion as to the jurisdiction of the Committee in the location of the plant that information upon the same be forwarded.

"'Very truly yours,
"'H. B. Costill, M. D.
"'Director.'

"I submit herewith a plan, for the transmission to the State Department of Health, showing the alternate locations for the sites being considered for the sewage treatment plant.

"The request of the Director for an opinion of counsel as to the jurisdiction of the Joint Meeting in a location of the plant is respectfully referred to counsel for his opinion.

"I submit herewith a draft of a petition to the State Department of Health, in accordance with the request of the Director of that Department.

"Respectfully submitted,

"ALEXANDER POTTER."

It was moved that the report of the Engineer be received, and referred to the Joint Meeting.

Mr. Potter also read a form of letter which he had drafted for submission to the State Board of Health. This matter was also referred to the Joint Meeting for appropriate action.

Mr. Potter verbally explained at some length the history of the negotiations which has been carried on with the cities of Elizabeth and Linden.

On motion the meeting adjourned at 3.45 P.M.

Joint Meeting of September 2, 1926.

(Construction.)

The Joint Meeting convened immediately following the adjournment of the Executive Committee. Mayor Rollinson in the Chair and the following municipalities responding to the roll call.

East Orange, Hillside, Maplewood, Newark, South Orange, Summit, Union, West Orange.

Mr. Hunt, Mr. Pringle, Mr. Costello, and Mr. Potter were also present.

On motion the minutes of the last meeting were approved as printed.

The report of the Engineer to the Executive Committee was received and the question of the jurisdiction of the Joint Meeting requested by Dr. Costill referred to Counsel. The form of letter drafted by Mr. Potter to be sent to the State Board of Health was also referred to Counsel for his approval.

The following bills were read and on roll call received and ordered paid if approved by the Auditing Committee:

Lewis Lansberg	Printing Option	4.00
Miller & Pillsbury	Printing Stationery	16.50
Wm. S. Levins	Executive Committee, August	83.33
Richard S. Earl	" " "	83.33
H. J. Stanley	" " "	83.33
Edward Hornbeck	" " "	83.33
Wellington Campbell	" " "	83.33
Thomas L. Raymond	" " "	83.33
Henry Biringer	" " "	83.33
E. M. Barradale	" " "	83.33
O. O. Oaks	" " "	83.33
Charles W. Mink	" " "	83.33
F. A. O'Connor	" " "	83.33
E. S. Rankin	Salary for August	291.66
Richard S. Earl	" " "	208.33
S. H. Rollinson	" " "	208.33
Wm. G. Dassing	Stenographic work	50.00
Weibezahl Print	Printing Minutes	21.00
E. S. Rankin	Expense account	4.09

On motion the meeting adjourned at 3.50 P.M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of September 9, 1926.

Executive Committee.

A meeting of the Executive Committee was held on the above date at the Newark City Hall at 3 P. M. Mayor Rollinson in the Chair.

On roll call, the following municipalities responded: East Orange, Hillside, Maplewood, Millburn, South Orange, West Orange. Messrs. Riker, Pringle and Potter were also present.

Mr. Riker presented a written opinion on the matters referred to him at the last meeting regarding the communication to the Town of Irvington and to the letter proposed to be sent to the State Board of Health. On moiton, these opinions were received and filed.

It was further moved and seconded that the form of letter to Dr. Costill be referred to the Counsel and Engineer to redraft. Carried.

Mr. Potter then read another letter which he had written to Dr. Costill which, on motion, was approved and the Engineer directed to send the same.

On motion, the meeting adjourned at 3:15 P. M.

Joint Meeting of September 9, 1926.

(Construction.)

The Joint Meeting convened immediately following the adjournment of the Executive Committee. Mayor Rollinson in the Chair and the following municipalities responding to roll call: East Orange, Hillside, Maplewood, Millburn, Roselle Park, South Orange, Summit, West Orange.

On motion, the minutes of the last meeting were approved as printed.

Moved that the Joint Meeting approve of the form of letter submitted by the Engineer and approved by Counsel. Carried on roll call.

Moved that Mayor Raymond be appointed Member of the Disposal Plant Committee. Carried on roll call.

Mr. Earl reported on a visit to Hillside from a representative from the State Board of Health. He said that this representative was shown the sanitary conditions in the Township and that he would report at the next meeting of the State Board. Mr. Potter said that the overflows from the old sewers had occurred again this week.

Moved that Mr. Potter and Mr. Rollinson and as many others as are able to go, go to Trenton to attend the meeting of the State Board of Health on Tuesday afternoon next. Carried on roll call.

Moved that when we adjourn, we adjourn to meet on next Thursday afternoon. Carried.

On motion, the meeting adjourned at 3:35 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of September 16, 1926.

Executive Committee.

A meeting of the Executive Committee was held in the Newark City Hall on the above date at 3 P. M. Mayor Rollinson in the Chair. On roll call the following municipalities responded: East Orange, Hillside, Irvington, Maplewood, Millburn, South Orange and West Orange.

Mr. Riker, Mr. Pringle and Mr. Hess of Mr. Potter's office were also present.

On motion, the minutes of the last meeting were approved as printed.

Mr. Hess stated that Mr. Potter was out of town and would not be able to attend. He said that they were working with all possible speed on the detail plans of the disposal plant located in the City of Linden. He expected to have these plans finished next week.

Mr. Earl presented the following report which, on motion, was received and referred to the Joint Meeting for approval.

	September 16, 1926.
Total Receipts	$100,084.78
Total Disbursements	60,274.46
Balance	39,810.27

Disbursements.

S. H. Rollinson (Cash advanced by original Joint Body prior to organization of new Body	619.50
Fred K. Day	17,980.00
Louis Schaefer	100.00
A. S. Fedde & Co.	265.44
Frederick K. Day	7.92
William G. Dassing	50.00
Printing and Supplies	65.50
Salaries and Expenses	1,629.04
	20,717.40

Disbursements prior to this report		39,557.06
Total Disbursements to date		60,274.46
Ang. 1 Interest	20.60	
Sept. 1 "	64.13	

The Secretary read a letter from the Elizabeth Foundry Company regarding the filling of the Day property with their refuse. On motion, the letter was referred to Mr Potter.

Mr. Rollinson made a verbal report on the meeting with the State Board of Health which was held in Trenton on September 14th. He said that it was decided at this meeting that Mr. Potter should furnish the Board with complete plans of the sewer and disposal works, the latter to be located on the site which we now own and if these plans were approved, we can then proceed with the construction of the sewer. If it is found later that for any reason we cannot build the disposal plant on this land we can then furnish supplementary plans. Mr. Riker said that the matter was referred by the State Board to their Chief Engineer and Director.

On motion, the meeting adjourned at 3:15 P. M.

Joint Meeting of September 16, 1926.

(Construction.)

The Joint Meeting convened immediately following the adjournment of the Executive Committee. Mayor Rollinson in the Chair. On roll call all municipalities responded except Newark, Roselle Park and Summit.

On motion, the minutes of the last meeting were approved as printed.

The report of the Treasurer was received and ordered printed in the minutes.

It was moved and, on roll call carried, that the location of the disposal plant in the City of Linden be approved.

It was moved that when we adjourn, we adjourn to meet next Thursday afternoon.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of September 16, 1926.

(Maintenance.)

The Maintenance Body met at the Newark City Hall on September 16th, 1926, at 3:20 P. M.

The following were present: H. J. Stanley, Irvington; Wellington Campbell, Millburn; J. W. Costello, Newark; E. M. Barradale, South Orange; O. O. Oaks, Summit, and F. A. O'Connor, West Orange. In the absence of Mr. Hunt, Dr. Campbell presided.

On motion, the minutes of the last meeting were approved as printed.

Mr. Rollinson stated that the reason for calling the meeting was to determine if it would be possible to allow Hillside to connect with the old sewer without further delay so as to relieve the unsanitary conditions in that Township. After some discussion, it was moved that the question of admitting Hillside be referred to the Counsel and Engineer to report at the meeting to be called by the Chairman, which report should contain recommendations on the matter. Carried.

Mr. Hess reported that he had just been informed by Inspector Sandford that an apartment house was being built on the corner of Lyons Avenue and Lincoln Place, Irvington, directly over the existing sewer. It was moved that the Engineer be directed to make a preliminary survey and report to Counsel at the earliest possible date so that Counsel can notify the owners of the property as to the rights of the Joint Meeting in the premises. The motion was carried on roll call.

On motion, the meting adjourned at 3:45 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of September 23, 1926,

Executive Committee.

The Executive Committee met on the above date at the Newark City Hall at 3 P. M. Mayor Rollinson in the Chair. On roll call all municipalities responded except East Orange, Newark and Summit.

The minutes of the last meeting were approved as printed.

Mr. Riker stated that he was having some difficulty with the Bauer tract on account of streets having been laid out through the property.

Mr. Potter reported that he was working on the plans for the disposal plant.

There being no furher business, the meeting adjourned at 3.05 P. M.

Joint Meeting of September 23, 1926,

(Construction.)

The Joint Meeting met immediately following the adjournment of the Executive Committee. Mayor Rollinson in the Chair. On roll call, all municipalities responded except East Orange, Newark and Summit. Messrs. Riker, Pringle and Potter were also present.

On motion, the minutes of the last meeting were approved as printed.

It was moved that when we adjourn, we adjourn to meet next Thursday afternoon.

There being no further business, the meeting adjourned at 3:10 P. M.

As a matter of record, there is given below the roster of the governing bodies of the municipalities comprising the Joint Meetng.

EAST ORANGE.

Charles H. Martens,
Leo W. Geisler,
William B. Dailey,
Cyrus H. Vail,
Frank E. Quinby,
Burton E. Emory.
William S. Levins,
James H. Owen,
Frederick C. Rauch,
Nathaniel P. Gardner,
Christopher R. Morrow,

HILLSIDE.

Richard S. Earl,
John E. Trousdell,
Thomas E. Martin,
Robert F. Smalley,
Charles T. Woodruff,

IRVINGTON.

David H. Greene,
Henry P. Bedford,
Harry J. Stanley,
Francis S. Green,
August L. Lacomb.

MAPLEWOOD.

John S. DeHart, Jr.
Milo S. Borden,
Ernest A. Harleman,
Edward Hornbeck,
William F. Law.

MILLBURN.

G. W. Wilson,
W. Campbell,
James Pennoyer,
John D. McCollum,
George J. Berstler,

NEWARK.

Thomas L. Raymond,
William J. Brennaan,
Charles P. Gillen,
John F. Murray,
John Howe.

ROSELLE PARK.

Alfred N. Bagley,
E. T. McNaughton, Jr.
Henry Biringer,
Charles H. Wilgus,
Sidney F. Williams,
Charles E. Van Doren,
A. G. Finizio.

SOUTH ORANGE.

Fred Ardrey,
E. Morgan Barradale,
Louis F. Bird,
Robert H. Bradley,
Owen D. Frost,
Philip N. Miller.

SUMMIT.

George D Cornish,
Edward B. Twombley,
Theodore S. Kenyon,
R. L. Corby,
Orion O. Oaks,
John E. Lager,
Allan Hay,
Stephen W. Borden.

UNION.

Charles M. Mink,
Ambrose B. Kline,
Max A. Schoewaelder,
John K. Roessner,
Gustav Hummel, Jr.

WEST ORANGE.

Simeon H. Rollinson,
F. A. O'Connor,
F. C. Erwin,
William W. Woodhall,
George V. McDonough.

Joint Meeting of September 30, 1926.

Executive Committee.

The Executive Committee of the Joint Meeting met in the Newark City Hall, at 3 P. M. on the above date, Mayor Rollinson presiding.

On roll call the following municipalities responded: Hillside, Irvington, Maplewood, Millburn, South Orange, Summit, Union and West Orange.

On motion the minutes of the last meeting were approved as printed.

Mr. Barradale moved that the meeting adjourn for one week out of respect to the memory of our late Counsel, Adrian Riker, Esq., and that a special committee of three consisting of Mayor Rollinson, Dr. Campbell and Mr. Stanley be appointed to draft a suitable resolution on the death of Mr. Riker to be presented at the next meeting. The motion was duly seconded and carried after which the meeting adjourned.

Joint Meeting.

(Construction.)

The Joint Meeting met following the adjournment of the Executive Committee, the same members being present.

The minutes of the last meeting were approved as printed.

It was moved, seconded and carried that the meeting adjourn out of respect to the memory of Mr. Riker, and that a page be set apart in the minutes on which to spread the resolution to be prepared by the Special Committee.

The meeting then adjourned at 3.10 P. M.

EDWARD S. RANKIN,
Secretary.

IN MEMORIAM.

Adrian Riker.

WHEREAS, On September 27th, 1926, Almighty God, in His infinite wisdom, has seen fit to summon to Him ADRIAN RIKER, of Newark, New Jersey, and

WHEREAS, Heretofore, to wit, on the 27th day of March, 1901, the Joint Meeting, in the matter of an outlet sewer for seven municipalities in Essex and Union Counties, at its organization meeting, elected ADRIAN RIKER as its counsel to hold office until the completion of the said sewer, and

WHEREAS, On June 16, 1904, the Joint Meeting which organized as a maintenance body, elected ADRIAN RIKER as its counsel for one year, and

WHEREAS, The Joint Meeting has re-elected ADRIAN RIKER to the same office for each succeeding year up to and including the year 1926, and

WHEREAS, On June 10, 1926, eleven municipalities, including the original seven herein above referred to, organized themselves into a Joint Meeting for the purpose of building a supplemental joint outlet sewer, and elected ADRIAN RIKER as counsel for the same, and

WHEREAS, Therefore, during the past quarter of a century ADRIAN RIKER has, by his skillful guidance, wise counsel and advice, served the Joint Meeting well and faithfully in every particular, and

WHEREAS, In private life, as well as in public office, he has, by his gentleness, courtesy and kindly disposition, endeared himself to each and every individual representing from time to time the various municipalities comprising said Joint Meeting,

NOW, THEREFORE, BE IT RESOLVED, By the various municipalities comprising the Joint Meeting, that in the death of ADRIAN RIKER said Joint Meeting and the various municipalities forming the same, have suffered a deep and irreparable loss, and that the individuals now and aforetime representing said municipalities have lost a dear and valued friend, and

BE IT FURTHER RESOLVED, That this resolution be spread

at length upon the minutes of said Joint Meeting, and an engrossed copy thereof sent to his bereaved family.

Wm. S. Levins	East Orange
Richard S. Earl	Hillside
Harry J. Stanley	Irvington
Edward Hornbeck	Maplewood
Wellington Campbell	Millburn
Thomas L. Raymond	Newark
Henry Biringer	Roselle Park
E. Morgan Barradale	South Orange
Orion O. Oaks	Summit
Charles W. Mink	Union
Frank A. O'Connor	West Orange
Simeon H. Rollinson	Chairman
Edward S. Rankin	Secretary
Richard S. Earl	Treasurer
Alexander Potter	Engineer
Edward C. Pringle	Associate Counsel.

Joint Meeting of October 7, 1926.

Executive Committee.

The Executive Committee of the Joint Meeting met on the above date at the Newark City Hall, at 3 P. M. Mayor Rollinson in the Chair.

On roll call all municipalities were found to be present with the exception of Newark.

On motion the reading of the minutes of the last meeting was dispensed with.

Engineer Potter reported that he had received a letter from the Engineer of Elizabeth saying that the Board of Public Works for that City were becoming impatient at the delay, as the paving of Verona Avenue had been held up for a long time. He also said that he had been in conference with the Engineer and Director of the State Board of Health.

It was moved that the report be received and a communication sent to the City of Elizabeth stating that we were ready to proceed with the work as soon as permission could be obtained from the State Board of Health. Carried.

Moved that we ask the opinion of Counsel if we can proceed with the construction of that part of the sewer under Verona Avenue without the approval of the State Board. Carried.

Mr. Potter stated that the plans and specifications would be presented at the next meeting.

Mr. Pringle reported that Mr. Riker on September 24 wrote a letter regarding certain restrictions on the Balnicki property. It was moved that we recommend to the Joint Meeting that the deed for the Balnicki property be approved. Carried.

Moved that we recommend to the Joint Meeting that the Treasurer be authorized to issue checks in payment for the Balnicki property as recommended by counsel. Carried.

Mr. Rollinson reported that he had prepared a resolution on the death of Mr. Riker. The resolution was read by the Secretary and it was moved that it be recommended for adoption by the Joint Meeting. Carried.

It was moved that the letter from Elizabeth addressed to the Engineer and referred to in his report be received and placed on file. Carried.

On motion the meeting adjourned at 3:30 P. M.

Joint Meeting of October 7, 1926.

(Construction.)

The Joint Meeting convened on the adjournment of the Executive Committee. Mayor Rollinson in the Chair and all members present with the exception of Newark. Mr. Potter and Mr. Pringle were also present.

Moved that the recommendation of the Executive Committee to draw checks for the Balnicki property be concurred in. Carried on roll call.

Moved that a communication be sent to Elizabeth stating that we will start building the sewer in their streets as soon as the consent is obtained from the State Board of Health. Carried on roll call.

Moved that Counsel be instructed to advise us if we can build the sewer in the streets of Elizabeth without the consent of the State Board of Health. Carried on roll call.

Moved that we take title to the Balnicki property subject to the restrictions as stated in Mr. Riker's letter. Carried on roll call.

Moved that the resolution regarding the death of Mr. Riker be adopted. Carried on roll call.

Mr. Oaks brought up the matter of the selection of a new Counsel. After considerable discussion, it was moved that on account of the importance of the matter, that it be laid over and considered at an Executive Session to be held next Thursday afternoon at 2 o'clock. Carried.

The Secretary presented the following bills, which on roll call were referred to the Auditing Committee, and ordered paid if found correct.

Wm. S. Levins	Executive	Committee	83.33
Richard S. Earl	"	"	83.33
Harry J. Stanley	"	"	83.33
Edward Hornbeck	"	"	83.33
Wellington Campbell	"	"	83.33
Thomas L. Raymond	"	"	83.33
Henry Biringer	"	"	83.33
E. Morgan Barradale	"	"	83.33

O. O. Oaks	" "	83.33
Chas. W. Mink	" "	83.33
Frank A. O'Connor	" "	83.33
Edward S. Rankin	September Salary	291.66
S. H. Rollinson	" "	208.33
Richard S. Earl	" "	208.33
Wm. G. Dassing	" "	50.00
The Bristol Company	Gauges	83.77
Edward S. Rankin	Expense Account	5.38
Weibezahl Print	Printing Minutes	33.00
Alex and Anna Balnicki	Land Purchase	1,320.42
Alex and Anna Balnicki	" "	2,579.58

On motion meeting adjourned at 4:00 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of October 14, 1926.

(Maintenance.)

The meeting of the Joint Meeting for Maintenance was held in the Newark City Hall on the above date at 2:45 P. M.

The following municipalities responded on roll call: Irvington, Millburn, South Orange, Summit and West Orange.

In the absence of Chairman Hunt, Dr. Campbell occupied the Chair.

On motion, the minutes of the last meeting were approved as printed.

Mr. Potter stated that he had presented a plan to the owner of the building being constructed over the Joint Sewer on Lyons Avenue in which the sewer is to be encased in concrete, and that this plan was being carried out. On motion, the report was received.

Mr. Potter also said that he was trying out a new manhole head and cover made of pressed steel instead of cast iron. The head was being placed on Millburn Avenue where it would be subjected to very heavy traffic. If satisfactory he had agreed to pay for the same.

Dr. Campbell reported two manhole heads broken, one in Springfield and one in Willow Street.

The Secretary presented the following resolution, which on roll call was adopted:

> Resolved: That the several municipalities do raise and pay to the Treasurer of the Joint Meeting the sum of $2100 which shall be assessed upon the Joint Municipalities in the proportion fixed by the contract between the several Municipalities as provided for the care and maintenance of the Joint Sewer, i. e., each Municipality paying an equal amount or one-seventh of such assessment (excepting the City of Newark, which shall pay two-seventh, or one-seventh for Newark and one-seventh for Vailsburg), and further that the Secretary be directed to notify the various Municipalities of such assessment and the proportion to be paid by each; and be it further

RESOLVED: That the said monies be paid to the Treasurer of the Joint Meeting within twenty days of the 14th day of October 1926.

This is the assessment for the 4th quarter of 1926.

The following bills were read and, on motion, ordered paid after being approved by the Auditing Committee.

S. H. Rollinson,	3rd quarter Salary	$62.50
C. W. Sandford	September Salary	200.00
Alex. Potter	September salary	83.33
J. J. Keating	September Salary	150.00
E. S. Rankin	September Salary	29.16
American Surety Co.	Premium, Surety Bonds	20.00
E. S. Rankin, Sect.	Petty Cash	36.00
New York Telephone Co.	Service	29.50
C. W. Sandford	Expense Account	8.53
C. W. Sandford	Auto Expenses	34.93
Weibezahl Print	Printing Minutes	27.00
J. P. Nawrath & Co.	Rope	68.25
Minor Rubber Co.	Rubber Boots	44.60

On motion, the meeting adjourned at 2:55 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of October 14, 1926.

Executive Committee.

The Executive Committee met in the Newark City Hall at 3 P. M., Mayor Rollinson in the chair. On roll call all municipalities were represented excepting Newark.

On motion, the minutes of the last two meetings were approved as printed.

Mr. Potter stated that he had expected to have the plans ready for this meeting, but owing to the holiday and the pressure of other business, they would not be ready until next week. In the meantime he expected to have another conference with the Engineer of the State Board of Health.

Mr. Pringle submitted the following opinion, which was re-referred to the Joint Meeting.

Joint Meeting,
Edward S. Rankin, Secretary,
City Hall,
Newark, N. J.

Sirs:

At the meeting of the Joint Meeting on October 7th, 1926, I understand the opinion of counsel was required on the following question:

> Do the laws of the State of New Jersey require that the Joint Meeting procure approval of the Department of Health of the State of New Jersey before proceeding to construct that portion of the proposed supplementary Joint Trunk Sewer on Verona Avenue in the City of Elizabeth?

In my opinion such approval is required by the laws of the State of New Jersey.

I base this opinion upon Section 6. Chapter 72, Laws of 1900; and also upon Section 1. Chapter 87. Laws of 1921.

In my opinion the foregoing conclusion may properly be drawn from the above mentioned acts, although the language thereof might be more aptly phrased to accomplish the purpose intended.

May I call your attention to the fact that the above seems to also have been the opinion of the late Mr. Adrian Riker because in the letter of September 10 1926, signed by your body and addressed and delivered to the State Department of Health of New Jersey, which was prepared by Mr. Riker, there occurs the following statement:

> "The Joint Meeting is advised by its counsel that it cannot proceed with the work and construction of any part of the proposed supplementary joint trunk sewer until approval has been granted by the Department of Health of the State of New Jersey of the plans and specifications for the construction of the additions, enlargements, additional branches, sewers &c. and plants for the purification or other treatment of sewage.

Respectfully submitted,
EDWARD G. PRINGLE,
Associate Counsel.

The Secretary presented a letter and statement received from the office of Riker & Riker, which was, on motion, received and referred to the Joint Meeting.

The Treasurer's report was presented and also referred to the Joint Meeting.

The meeting the nadjourned.

(Construction.)

The Joint Meeting convened at 3:10 P. M., all municipalities being present with the exception of Newark. Mr. Potter and Mr. Pringle were also present. Mr. Rollinson presiding.

The minutes of the last two meetings were approved as printed.

On motion, the opinion of the counsel regarding the construction of sewers in Elizabeth was received and ordered incorporated in the minutes.

The letter from Riker & Riker, together with statements regarding the closing of the Balnicki title was also received and ordered printed, after being approved by the Associate Counsel.

Mr. Edward S. Rankin, Secretary,
City Hall,
Newark, N. J.

Dear Sir:

Please find enclosed herewith vouchers Nos. 64 and 65 in the amounts of $1,320.42 and $2,579.58 respectively, duly receipted and sworn to by Alexander Balnicki.

These vouchers are in connection with the purchase of Lot 27 Block 50 of the Old Colony Land Company of the City of Elizabeth by the Joint Meeting from Mr. Balnicki.

We also enclose herewith statement of Settlement in this matter, tax bill for 1926 showing payment of first half, our check to the order of the Joint Meeting for $11.93, being refund from Balnicki for three months of the 1926 taxes and our bill for services and disbursements in this matter.

Respectfully yours,
RIKER & RIKER,
By Robert S. Pollard.

10/14/26
Approved EDWARD G. PRINGLE,
Associate Counsel.

STATEMENT OF CLOSING TITLE.

Alexander Balnicki To Joint Meeting.

Premises No. 27 Bk. 50 Old Colony Land Co. Elizabeth, N. J.

Oct. 8, 1926.

Purchase Price	$4,000.00	
Total		$4,000.00
Paid on account	100.00	
Taxes 3 months of second half of 1926	11.93	
Total		111.93
Balance due		$3,888.07
Remarks: Warrant endorsed to George A. Shipman for mortgage 773-122	$2,579.58	
Warrant to Alexander and Anna Balnicki	1,320.42	
	$3,900.00	
Check from Balnicki for taxes	11.93	
	$3,888.07	

It was moved and carried on roll call that the tax bill for the Balnicki property be paid.

On roll call the report of the Treasurer was received and ordered printed.

JOINT MEETING

October 14th, 1926.

To the various Municipalities Comprising the Joint Meeting:

Gentlemen:

The Treasurer respectfully reports that on the 16th day of September, 1926, the date of his last report, he had on deposit in the Hillside National Bank the sum of $39,810.27.

The Treasurer further reports that since the date of his last report he deposited a check of $11.93, the same being an adjustment of taxes on the Balnicki property, and that he was allowed the sum of $65.80 interest, so that the total amount of cash on hand was the sum of $39,888, as shown on Schedule I, hereunto attached.

The Treasurer further reports that since the date of his last report he has executed warants as shown on Schedule II, hereunto annexed, amounting to $5,697.10, so that the total amount of cash on hand to date is $34,190.90.

All of which is respectfully submitted this 14th day of October, 1926.

RICHARD S. EARL,
Treasurer.

SCHEDULE I.

1926.		
Sept. 16	Balance	39,810.27
Oct. 1	Interest	65.80
" 14	Adjustment of taxes Balnicki property	11.93
		$39,888.00

SCHEDULE II.

1926.	
October 7	
Wm. S. Levins	83.33
Richard S. Earl	83.33
Harry J. Stanley	83.33
Edward Hornbeck	83.33
Wellington Campbell	83.33
Thomas L. Raymond	83.33
Henry Biringer	83.33
E. Morgan Barradale	83.33
O. O. Oaks	83.33
Chas. W. Mink	83.33
Frank O'Connor	83.33
Edward S. Rankin	291.66
S. H. Rollinson	208.33
Richard S. Earl	208.33
Wm. G. Dassing	50.00
The Bristol Company	83.77
Edward S. Rankin	5.38
Weibezahl Print	33.00
Alex and Anna Balnicki	1.320.42
Alex and Anna Balnicki	2,579.58
	$5,697.10
Cash on hand	$34,190.90

On roll call, the bill of Riker & Riker for $129.44 was referred to the Auditing Committee and orderd paid if found correct.

Mr. O'Connor asked if any formal contract had yet been made with the City of Elizabeth. Mr. Pringle said that the contract had been drafted but had never been submitted.

It was moved that when we adjourn, we adjourn to meet next Thursday at the close of the Executive Committee.

The meeting then adjourned at 3:40 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of October 21, 1926.

(Construction.)

The Meeting of the Joint Meeting was held in the Newark City Hall on the above date at 3:45 P. M. Mayor Rollinson in the Chair, and the following municipalities responding to roll call.

East Orange, Irvington, Maplewood, Millburn, South Orange, Summit, Union and West Orange.

Mr. Pringle and Mr. Potter were also present.

On motion, the minutes of the last meeting were approved as printed.

On recommendation of the Executive Committee, the following matters were taken up and carried on roll call:

Moved that the report of the Engineer submitting a copy of the plans, specifications and report to be filed with the State Board of Health be received and placed on file.

Moved that the proper officers be directed to submit the plans and specifications to the State Board of Health and make formal application to them for their approval.

Mr. Barradale presented the following resolution recommended by Mr. Potter:

> Resolved That the Engineer be directed to employ for the Joint Meeting subject to the pleasure of the Joint Meeting a representative in Trenton for the purpose of consulting with the engineers of the State Department of Health, during the period that the plans for the Supplementary Joint Trunk Sewer and Treatment Plant are before that body for action, in order to expedite their consideration and approval, and in so doing to perform such services as he may be directed to perform by the Engineer, and to receive such per diem compensation, not to exceed the sum of $100. per day as may be agreed upon between him and the Engineer.

On roll call the resolution was carried by a vote of 5 to 3.

Moved that the Secretary write to the Board of Public Works of Elizabeth stating that plans had been filed with the State Board of Health and application made for permission to construct the sewer and that work would be started as soon as such permission is obtained. Carried on roll call.

Moved that when we adjourn, we adjourn to meet next Thursday afternoon at 3 o'clock.

On motion, the meeting adjourned at 3:55 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of October 28, 1926.

(Construction)

The Joint Meeting for construction met at the Newark City Hall on the above date at 3.30 p.m. Mayor Rollinson in the Chair and the following municipalities responding to roll call:

East Orange, Maplewood, Millburn, South Orange, Hillside, Roselle Park, Union, West Orange.

On motion the minutes of the previous meeting were approved as printed. Carried on roll call.

On motion, the Report of the Engineer was received and ordered spread on the minutes. Carried on roll call.

October 28, 1926.

To the
JOINT MEETING,

Gentlemen:

In accordance with your instructions, I delivered the plans for the sewers and sewage disposal to the Engineers of the State Department of Health in Trenton, N. J., and have received an acknowledgment from the Director as per the attached copy.

On Tuesday of this week I had a conference with the Engineer of the State Department of Health and he requested that we include in our application a permit for the construction of the chlorination building and devices. He has in no way changed his opinion that the construction of this chlorinating house and apparatus is not required at the present time but under the ruling of the Attorney General the application for a permit to construct sewage disposal must include complete works whether or not they are to be constructed at the present time; therefore the necessity of including in the application, reference to the chlorinating house.

A permit will be granted from time to time to release the Joint Meeting from the obligation of building and maintaining this chlorinating house, just so long as the State thinks that its construction is unnecessary, and this may be delayed a number of years.

The Engineer suggests that a resolution be passed including the chlorination feature. I am enclosing a draft of such a resolution, which I wish you would consider.

In accordance with the resolution, I retained Mr. P. N. Daniels at $100.00 a day, covering the number of days that he is actually employed in connection with this work. Since his retention he has devoted two days to this work.

Very truly yours,

ALEXANDER POTTER.

On motion the following resolution was moved and carried on roll call.

October 28, 1926.

RESOLVED, That an amended application be forwarded to the State Department of Health calling for the approval of plans and specifications of sewage disposal, consisting of mechanical coarse screens, grit removers, settling tanks *and chlorination building and devices*, with the understanding that there is no immediate need for the construction of the chlorination building and devices and, further, that at the end of each year, the Joint Meeting will apply to the State Department of Health for permission to discharge sewage unchlorinated into the waters of the State until such time as the need for such chlorination, in the opinion of the State Department of Health, becomes essential.

Moved that the officers be and they are hereby directed to execute the amended application to the State Board of Health. Carried.

On motion the following bills were ordered paid after being approved by the Auditing Committee. Carried on roll call.

City of Elizabeth—Taxes on Balnicki property	$23.85
City of Elizabeth—Taxes on Day property	17.49
Ames & Rollinson—Riker Memorial	40.00

Moved that when we adjourn, we adjourn to meet at the close of the Executive Committee meeting on next Thursday.

On motion, the meeting adjourned at 3:35 p.m.

EDWARD S. RANKIN,

Secretary.

Joint Meeting of November 4th, 1926.

(Construction)

The Joint Meeting for Construction met at the Newark City Hall on the above date at 3:30 p. m. Mayor Rollinson in the Chair and the following municipalities responding to roll call.

East Orange, Maplewood, Millburn, South Orange, Irvington, Roselle Park, Summit, West Orange.

On roll call the minutes of the last meeting were approved as printed.

The following matters referred by the Executive Committee were then taken up.

REPORT OF THE ENGINEER.

November 4, 1926.

To the
JOINT MEETING.

Gentlemen:

Since the last meeting, I have been in conference with the State Health authorities and also wtih Mr. P. N. Daniels, Sanitary Engineer of Trenton, in reference to the progress that has been made in the examination of our plans.

The enginneer advises me that they have practically completed the study of the sewers and have made great headway in the study of the sewage disposal plant, and that, barring the question raised in their letter of October 26th, they would be in a position to recommend the approval of the plans for the next meeting of the State Department of Health.

Mr. Daniels has been of especial value to me in this matter and he has submitted a bill for services up to October 28th, in the amount of $200.00, which I have approved and would recommend its payment.

Respectfully submitted,

ALEXANDER POTTER.

LETTER OF DR. COSTILL.

October 26, 1926.

Joint Outlet Meeting,
Mr. Edward S. Rankin, Secretary,
City Hall,
Newark, New Jersey.

Gentlemen:

This Department is engaged in the examination of plans and other data submitted by your Consulting Engineer. Mr. Alexander Potter, 50 Church Street, New York City, for the construction of the Joint Sewer and Sewage Treatment Plant.

We have received under date of September 13, 1926, from Mr. Riker, a communication in which he enclosed a blue print entitled "Joint Trunk Sewer Alternative Locations of Treatment Plant", dated September, 1926, and marked 42-18. This blue print shows four locations, marked A, B, C and D, which relate to the tentative site proposed for the treatment plant for the Joint Outlet Sewer. We have before us Chapter 174 of the P. L. of 1919, and, in view of this law and in view of the various statements made to our representatives and at our Board hearings, we suggest that the above-mentioned blue print be revised to show an additional site proposed for the sewage treatment works, said site to be located within the municipal limits of one or more of the municipalities, members of the Joint Meeting, this blue print to be accompanied by plans, etc., showing in detail the method of conveying the sewage plant effluent to Arthur Kill, and the method of handling the sludge from the sewage treatment pant.

Very truly yours,
H. B. COSTILL, M. D.,
Director.

The following resolution recommended by the Executive Committee was then read and carried on roll call.

Moved that the matter of a positive site in Elizabeth or Linden for a disposal plant be referred to the Committee on Disposal Plant for a report and recommendation at the next meeting.

The Counsel was asked to prepare formal applications to both Elizabeth and Linden to be used if required.

The following bills were read and on roll call ordered paid if approved by the Auditing Committee.

Voucher No.				
70	Wm. S. Levins	Executive Committee		$ 83.33
71	Richard S. Earl	"	"	83.33
72	H. J. Stanley	"	"	83.33
73	Edward Hornbeck,	"	"	83.33
74	Wellington Campbell	"	"	83.33
75	Thomas L. Raymond	"	"	83.33
76	Henry Biringer	"	"	83.33
77	E. M. Barradale	"	"	83.33
78	O. O. Oaks	"	"	83.33
79	Charles W. Mink	"	"	83.33
80	Frank A. O'Connor	"	"	83.33
81	Edward S. Rankin	Salary		291.66
82	Richard S. Earl	Salary		208.33
83	S. H. Rollinson	Salary		208.33
84	Wm. G. Dassing	Services		50.00
85	Weibezahl Print	Printing		48.00
86	P. N. Daniels	Services		200.00
87	E S. Rankin	Expenses		4.40

In the absence of Mr. Mink, Mr. Hornbeck was appointed on the Auditing Committee.

On motion the meeting adjourned at 3.40 p. m.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of November 4th, 1926.

(Maintenance.)

The Joint Meeting for Maintenance met at the Newark City Hall on the above date at 3.40 p. m. Mr. Hunt in the Chair and the following municipalities responding to roll call: Irvington, Millburn, South Oraange, Summit, and West Orange.

On motion the minutes of the last meeting were approved as printed.

Mr. Potter presented the following report, which on motion was received and ordered printed in the minutes.

To the
JOINT MEETING
(Maintenance Body)
Gentlemen:

I had a call from Mr. Theo Orlowitz, plumber for Mr. Harry Kellner, owner of the tract of land at the corner of Lincoln Place and Lyons Avenue, in the Town of Irvington, asking permission to make a connection with the Joint Trunk Sewer in his basement. You will recall that this matter was before you a few weeks ago, on the subject of the proper support for the foundations over the Joint Trunk Sewer as it passes under his building, the owners of this lot having constructed their sewer directly over the line of the Joint Trunk Sewer through Irvington.

This request brings up an entirely new matter so far as the Joint Trunk Sewer is concerned, for it is the first time that such a request has been made. I had no desire to grant this permit without first bringing it to the attention of the Joint Meeting.

I can see no good reason why this request should not be granted, providing the owner is willing to comply with certain requirements formulated by the Joint Meeting. The requirements suggested are as follows:

1. That the connection to the sewer be made with a 5 inch cast iron pipe supported on a concrete collar placed around the pipe, so as to relieve the pressure from the vertical connection on the barrel of the pipe.
2. That the connection be made in the presence of the inspector of the Joint Trunk Sewer.
3. That the right shall be given to the Joint Meeting to inspect the connection through the cellar at any time that it may desire.

4. That, in the event that the sewer is abandoned, the owner shall connect to any other sewer available for his use that might be constructed, at his own cost and expense.

The inspector advises me that the Mountain Ice Co. factory is discharging at the rate of 500,000 gallons of practically clean water into the Joint Trunk Sewer, which has no business in the Joint Trunk Sewer and should be diverted to other channels.

I would recommend that the engineer be given authority to take this matter up with the owners and with the authorities of Irvington, in the hope that the Joint Meeting can be relieved of this unnecessary load upon its sewer system.

Respectfully submitted,

ALEXANDER POTTER.

Moved that the matter of the apartment house be referred to Mr. Hunt and Mr. Stanley with power. Carried.

Moved that the recommendation of the Engineer regarding the Mountain Ice Company be concurred in. Carried.

On motion the meeting adjourned at 3.50 p. m.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of November 18th, 1926.

(Construction)

The Joint Meeting for construction was held on the above date at the Newark City Hall at 4 p. m. All municipalities responding to roll call with the exception of Newark. Mayor Rollinson in the Chair.

On motion the minutes of the last meeting were approved as printed.

On motion the report of the Engineer was received and ordered printed in the minutes.

November 18, 1926.

To the
JOINT MEETING.

Gentlemen:

Disposal Plant in Elizabeth or Linden—At the last meeting the question of a conference between the sewage disposal site committee and the officials of Elizabeth and Linden was authorized. I have made a number of calls at the City Hall, Newark, to try and arrange a time convenient for Mayor Raymond to attend such a conference, because the committee and the Joint Meeting were counting largely on Mayor Raymond's ability to present the matter to the City of Linden and the City of Elizabeth in a way that they probably would be willing to concede our right to locate a disposal plant within the limits of their municipalities. Uufortunately, Mayor Raymond has been sick almost continuously since the last meeting, and consequently no step has been taken to arrange a meeting. The State Department of Health has, of course, stated that it cannot pass upon our plans unless we have the consent of a municipality for the erection of a disposal works for the Joint Meeting.

There are available sites in Union and Hillside, and I have discussed informally with the officials of Union and Hillside the likelihood of their granting permission for the erection of a sewage disposal plant within their municipalities, and I am of the opinion that whether or not we ultimately use a site for a disposal works in Union or Hillside, or partly in one and partly in the other, an application should be made immediately to these municipalities so that we can certify to the State Department of Health that we have a location for a disposal works sanctioned by a municipality, as is required by law.

Line through South Orange—Some time ago, in making a definite and fixed location for the construction of a sewer through the Village of South Orange it became necessary in passing through the property of that Village to cut away considerable brush in order that an instrumental survey of the final location could be made and stakes driven so as to show definitely the location of the sewer to persons sent out to purchase the right of way. The corps of engineers engaged upon this work continued the cutting of what seemed to be brush and small trees on the property of W. A. Manda, and after proceeding with this work 200 feet, Mr. Manda called their attention to the fact that it was nursery stock. I made a personal investigation of all the conditions surrounding the work and the nature of the shrubs at the point where the line was cut through bore no seeming relation to nursery stock. Further on they did encounter a number of trees and shrubs which undoubtedly should have been recognized as nursery stock. It was absolutely essential that this line be cut through or the shrubs removed along the line of the proposed right of way, otherwise it was impractical to have laid out the line.

Mr. Manda claims that the damage done amounted to $596.75, but he is willing to reduce the amount to $500.00. I have asked Mr. Manda what it would have cost him to remove the shrubs which were actually cut in order to put through the line, because that would have been essential in any event. He advised me that the cost to him of moving the shrubs would have been $365.00. I am of the opinion that of the total bill of $500.00 which Mr. Manda desires, the Joint Meeting should pay the proportion that the $365.00 bears to the total amount of damage Mr. Manda claims to have been done; in other words, $306.60, and the balance of it should not be borne by the Joint Meeting, for the engineers in charge of this work should have asked for a cleared right of way over this property.

House Connections—Article XIII of the contract entered into between the municipalities authorizes the Joint Meeting to adopt and provide standard specifications for all local sewers and house connections in the several municipalities which will discharge sewage directy or indirectly into the existing or supplementary sewers, which specifications shall be adopted by the several municipalities for the construction of such local sewers. I am of the opinion that it is necessary for the Joint Meeting to proceed at

the earliest possible moment to adopt and provide such standard specifications for local sewers and house connections, but before the adoption of such general specifications I think that the Joint Meeting should forthwith insist upon the use of cast iron pipe for the construction of house connections from the main sewer into and through the foundation walls of all buildings connected with the sewer. A number of the municipalities have already adopted the use of cast iron pipe for house connections. The particular reason for raising this point at the present time is because my attention has recently been called to a flagrant violation of the use of a sewer—the plumber having the plumbing contract for a large apartment house made a connection between the Joint Trunk Sewer and the excavation for the apartment house, and is using this pipe to drain his excavation and save the expense of pumping the water from the excavation to facilitate the work of constructing the masonry walls. The sewer inspector ordered this connection closed, but it was surreptitiously reopened, the plumber says, without his consent. This offence was repeated several times, and I was asked to investigate the situation. I requested the contractor to remove a joint of pipe which had been laid and covered up as completed, and I found that for the lower three-fourths of the pipe no cement whatever was placed in the joint. It is needless to say that the amount of water that might gain access to the sewer during a wet season of the year through the number of open joints found in this line, would be several times the normal contribution from a single house. It is true that the municipality in which this condition exists will have this flow charged against their quota, but any preventive method that can be adopted should be adopted, for even though the contract provides that each municipality when it exceeds its capacity should pay for such excess flow, all preventable leakage permitted to continue to flow through the sewer hastens the day when a supplementary sewer must be constructed. Consequently, it is for the interest of all concerned that this preventable leakage be kept down to the minimum.

State Department of Health—I am enclosing interchange of correspondence between Mr. H. P. Croft, Chief, Bureau of Engineering of the State Department of Health, and myself, in reference to the action of the Joint Meeting in authorizing me to employ a consulting engineer at Trenton to facilitate matters in connection with the plans now pending before the State Department of Health

I am of the opinion that the best interests of the Joint Meeting will be conserved by complying with the request of Dr. Costill that application be made to one or more of the jointly contracting municipalities for permission to locate a sewage disposal plant within their municipal limits. In making this recommendation I do not wish to have it assumed that I have altered my opinion as to the desirability of locating a sewage disposal works as near tidewater as possible, or that we should let up in our efforts to secure such a site; but as the State cannot approve the plans for the construction of the trunk sewer without the consent of the governing body within whose territory a sewage disposal plant can be constructed, I am of the opinion that this consent should be requested at this time. I would recommend that the members of the governing body in the municipality or municipalities to whom the application might be made, should be invited, at the expense of the Joint Meeting, to visit the plant at Syracuse for the purpose of determining whether or not the location of such a plant in their municipal territory would occasion any justifiable complaint from the neighborhood in which it is proposed to be established.

Mr. Henry Kreh, Jr.—I am in receipt of a bill from him in the amount of $150.00 for making the surveys requested by counsel of the lands purchased in Elizabeth and Linden as a site for the disposal works, and recommend its payment. These surveys must be made by a professional land surveyor, as opposed to an engineer. Mr. Kreh is a professional land surveyor and I am not.

Respectfully submitted,

ALEXANDER POTTER.

The following resolution prepared by Mr. Pringle was read and on roll call carried. Nine ayes, one no.

RESOLVED that the proper officers be directed to execute and present to the Township of Union in the County of Union an application, as prepared by Counsel, for the consent of the Governing Body of that municipality to the location and construction, within the Township of Union in the County of Union, of the sewage treatment plant necessary in connection with the supplementary Joint Trunk Sewer.

The Secretary then read the formal application to the Township of Union.

Moved that the Union Township Committee be invited to visit Syracuse to look over the sewage disposal plant there and that authority be given to pay their expenses. Carried on roll call.

The Treasurer presented the following report:

November 18th, 1926.

To the Various Municipalities Comprising
The Joint Meeting.

Gentlemen:

The Treasurer respectfully reports that on the 14th day of October, 1926, the date of his last report, he had on deposit in the Hillside National Bank, the sum of $34,190.90.

The Treasurer further reports that since the date of his last report he was allowed the sum of $56.11 interest, so that the total amount of cash on hand was the sum of $32,247.01, as shown on Schedule I, hereunto attached.

The Treasurer further reports that since the date of his last report he has executed warrants as shown on Schedule II, hereunto annexed amounting to $2,138.13, so that the total amount of cash on hand to date is $32,108.88.

All of which is respectfully submitted this 18th day of November, 1925.

Richard S. Earle,
Treasurer.

SCHEDULE I.

1926			
Oct. 14	Balance	$34,190.90	
Nov. 1	Interest for October	56.11	
			$34,247.01

SCHEDULE II.

1926			
Oct. 21	City Treasurer, Elizabeth, N. J.	$17.49	
	City Treasurer, Elizabeth, N. J.	23.85	
	Ames & Rollinson	40.00	
22	Riker & Riker	129.44	
Nov. 4	Edw. S. Rankin	4.40	
	Chas. W. Mink	83.33	
	S. H. Rollinson	208.33	
	F. A. O'Connor	83.33	
	Edw. Hornbeck	83.33	
	H. J. Stanley	83.33	
	R. S. Earl	83.33	
	Wm. S. Levins	83.33	
	P. N. Daniels	200.00	
	Weibezahl Print	48.00	
	Wm. J. Dassing	50.00	
	E. S. Rankin	291.66	
	Henry Biringer	83.33	
	Thos. L. Raymond	83.33	
	Wellington Campbell	83.33	
	R. S. Earl	208.33	
	O. O. Oakes	83.33	
	E. M. Barradale	83.33	
			$ 2,138.13
	Cash on Hand		$32,108.88

Moved that when we adjourn, we adjourn to meet two weeks from today.

On motion the meeting adjourned at 4:15 p. m.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of December 2, 1926.
(Construction.)

A meeting of the Joint Meeting was held in the Newark City Hall on the above date at 3.40 P.M. Mayor Rollinson in the Chair and all municipalities present except Newark.

Mr. Potter and Mr. Pringle and representatives from Union Township were also present.

On motion the minutes of the last meeting were approved as printed.

The following matters referred to the Joint Meeting by the Executive were taken up and on roll call carried.

Resolution regarding the use of cast iron house connections. On roll call the resolution and specifications were approved and ordered printed in the minutes and a copy sent to each municipality.

> Resolved, That whereas the contract between the several municipalities constituting the Joint Meeting, Article XIII thereof, provides as follows:
>
> > "The joint outlet or trunk sewer branches and appurtenances as increased in capacity by the supplementary sewer and treatment plant are designed to furnish sewerage facilities for the municipalities concerned up to the year 1950 and for the purpose of insuring as far as possible such service life of the sewer as increased in capacity and to prevent unnecessary infiltration of ground water into said sewer, the Joint Meeting shall be authorized to adopt and provide standard specifications for all local sewers and house connections in the several municipalities which will discharge sewage directly or indirectly into existing or supplementary sewers, which specifications shall be adopted by the several municipalities for the construction of such local sewers. Each municipality shall give notice to the Chief Engineer of the Joint Meeting of the proposed construction of any local sewer or sewers which will discharge directly or indirecty into the existing or supplementary sewers. Said Engineer shall be empowered in his discretion to appoint inspectors on such local sewers and inspectors so appointed by the Chief Engineer shall have all the powers and authority of inspectors appointed on such work by such municipality."
>
> and whereas in the judgment of the Joint Meeting upon

the advice of its Engineer it is advisable at this time to adopt and provide standard specifications for house connections in the several municipalities, in advance of adopting and providing standard specifications for all local sewers in the several municipalities, it is

RESOLVED, That the following be adopted and provided as standard specifications for house connections in the several municipalities constituting the Joint Meeting, to wit:

"The term 'house connection' will be understood to include all pipes which carry sewage or trade wastes from a building or structure to a sewer, whether such pipe be on private property or public way.

"A sewer shall be that pipe which carries sewage and trade wastes and is maintained by the municipality.

"House connections to serve houses or stores will be 4 inch cast iron soil pipe, and those to serve multi-family houses or large business structures shall be 5 or 6 inch. Any municipality, whose plumbing code requires the use of larger pipe than 4 inch, is requested to consider a modification of the size used to conform with this rule; but same is not mandatory.

"If the cover on that portion of the pipe laid on the public street is more than 3 feet in depth, it shall be medium weight cast iron soil pipe; and if the cover is less than 3 feet in depth, extra heavy soil pipe shall be used.

"The cast iron soil pipe shall conform to the most recent specifications of the American Society for Testing Materials for cast iron soil pipe and fittings. It shall be supplied in 5 feet lengths, thoroughly coated with asphaltum or coal tar varnish, and shall conform to the following weights:

	Medium Weight	Extra Heavy
4 inch	35 lbs.	65 lbs.
5 "	45 "	85 "
6 "	55 "	100 "

"All cast iron soil pipe shall be laid with a fall of at least 1/4 inch to the foot, and shall be laid in a straight line and without any bends from the building to the sewer, unless special permission be given.

"All joints shall be made with picked oakum and

molten lead and shall be made impermeable to gases by calking the lead with hammer and calking iron, using not less than 12 ounces of lead for each joint to each inch diameter of pipe.

"Connections to existing sewers shall be made with the utmost care and only in the presence of an inspector, and under no circumstances will the trench at the junction with the sewer be backfilled until it has been inspected.

"If a tee or 'Y' exists, the cast iron house connection will be inserted in the bell of the tee or 'Y' and a joint composed of oakum and Sewer Seal, G.-K. or cement will be made. This joint will then be carefully covered with a collar of cement not less than 1 inch think entirely surrounding the joint.

"If no tee or 'Y' exists at the point where the connection is to be made with the sewer, the attention of the plumbing inspector shall be called to the fact and a hole will be cut in the existing sewer only in the presence of the plumbing inspector, by the use of a chisel and a hammer weighing not more than 2 pounds. Extreme care must be taken in drilling this hole, in order that the sewer pipe be not fractured. Should the sewer be fractured from this cause or any other cause, the plumbing inspector shall insist that the sewer be surrounded with concrete in such a manner as to make it thoroughly water-tight. After the hole has been cut in the sewer, a special fitting, consisting of a precast or premolded bell of the size of the house connection to be used with an inch of the barrel of the pipe, the end of which is cut to the shape of the street sewer, shall be inserted and properly cemented in the hole thus cut; a strip of oakum first being used to prevent the direct entrance of cement into the barrel of the sewer."

Further Resolved, That a certified copy of this resolution be transmitted by the Secretary to each of the municipalities constituting the Joint Meeting with the request that each of them adopt the same as speedily as possible as provided by Article XIII of the contract.

In the matter of the Manda claim, it was moved and on roll call carried that the matter be settled for $306.60 and the Secretary be authorized to issue a warrant for this amount.

REPORT OF THE ENGINEER

December 2, 1926.

To the
JOINT MEETING:

Gentlemen:

Acting upon your instructions, I invited members of the Union Township Committee to visit the Syracuse sewage disposal plant at their convenience.

After conferring with the various members of the Township Committee, it appeared that the only day available for such a visit was on Tuesday, November 23rd. I invited those members of the Joint Meeting who have signified their intention to visit Syracuse when the representatives of Elizabeth and Linden were invited, but unfortunately the date was not convenient for either Mr. Hornbeck or Mr. Stanley. Mr. Mink, the other member of the Joint Meeting appointed to visit Syracuse with the Elizabeth and Linden authorities, went along as a member of the governing body of the Township of Union.

Arriving in Syracuse on Tuesday morning, we called upon Mr. Glenn D. Holmes, Chief Engineer of the Syracuse Intercepting Sewer Commission, under whose immediate supervision the construction of the disposal system was undertaken, and in a very painstaking manner went over the details of the plans of the sewage disposal plant preliminary to our visiting the plant. Mr. Holmes placed his personal car at the disposal of as many as could occupy it; the rest of the party proceeding to the works in a taxicab.

Arriving at the plant, Mr. Holmes explained its operation to the satisfaction of the members of the Township Committee, who were all impressed with the construction and with the satisfactory manner in which the sewage was handled. They all expressed themselves to the effect that there was no nuisance whatever around the plant and that while a faint odor could be detected in the settling tanks at the point where the sewage entered, it did not by any stretch of the imagination constitute a nuisance and that no odor could be detected 100 feet away from the plant. They were particularly interested in the handling of the

sludge collected in the bottom of the settling tanks, this sludge being pumped a distance of two and a half miles from the plant, without difficulty. Mr. Holmes advised the members of the Township Committee that they were now preparing to increase the distance through which the sludge had to be pumped, because of an agreement with the Solvay Process Co. that they would at all times use the same sludge dump for the sewage as was used by the Solvay Process Co. for the disposal of the sludge wastes from their plant.

Syracuse certainly has a very satisfactory way of disposing of its sludge, and because the amount of sludge discharged from the city's sewage forms but a small fraction of the sludge delivered from the Solvay Process works and as the sludge from the Solvay Process works has high sterilizing qualities, the sewage practically disappears the moment it reaches the sludge pile.

Through the courtesy of Mr. Homes in accompanying the Township Committee to the plant and staying with them during the period of their investigation, they were able to get a comprehensive idea of the operation of the plant quicker and more intelligently than they would otherwise.

The members of the Township Committee, as a result of this investigation, agreed to be present at the session of the Joint Meeting to be held December 2nd for the purpose of discussing conditions under which the Joint Meeting would be granted permission to construct a separation plant in Union. Besides the question of a cash consideration, the members of the Township Committee advised me that they would look to the Joint Meeting to be paid for the actual cost of pumping their sewage, which would have been unnecessary had the original location been adhered to. As the change in location does not force any of the other municipalities to pump their sewage—excepting Hillside, which already is obliged to pump—I think that due consideration should be given to this request of Union.

The Township of Union also desires as a condition of this permit, that it be allowed to utilize the Joint Trunk Sewer at such points that will not interfere with the flow

from any of the existing municipalities. As under the new contract the old sewer has been set aside for the use of Hillside and Union, I can see no objection to the granting of this request The additional flow from Union will only have the effect of making the existing surcharges within its own territory greater at times of high flow. The citizens in Union would have been quite within their rights in endeavoring to collect damages from the municipalities using the existing Joint Trunk Sewer for the discharge of sewage over their lands at certain periods of the year. but the officials of the Township of Union have discouraged such suits on the theory that the Joint Meeting was doing everything in its power to hasten the day when a sewer of adequate size would be constructed which will eliminate this condition and at the same time provide proper sewerage facilities for Union. As, however, this flow from Union will not affect the use of the sewers in any of the municipalities now contributing to the Joint Trunk Sewer, this request is a reasonable one and should take effect when the State grants its consent to the construction of the Supplementary Joint Trunk Sewer.

The Township of Union is to be represented at the meeting to be held December 2nd and has agreed that if proper terms can be effected between it and the Joint Meeting they will immediately prepare and pass an ordinance granting to the Joint Meeting the right to establish a sewage disposal system within its corporate boundaries.

Respectfully submitted,

ALEXANDER POTTER.

It was moved that Mr. Potter be requested to immediately notify each member of the Joint Meeting the amount which each municipality will have to pay toward the $100,000 required by Union Township for the privilege of locating the disposal plant in that Township.

Mr. Potter was directed to send a blue print showing the proposed location to Union Township and the Secretary was directed to write a letter to accompany this blue print stating that this is the location of the disposal plant referred to in our application of November 18.

The Secretary stated that he had received the officers' bond from Mr. Riker and deposited it with Mr. Pringle receiving a receipt therefor. He also presented the following correspondence from Mr. Irving Riker.

November 23rd, 1926.

E. S. Rankin, Esq.,
Secretary,
City Hall,
Newark, N. J.
Dear Sir:

As requested in your letter of November 22nd, I enclose herewith statement showing the purchase of the property in Elizabeth and Linden from Frederick K. Day.

I have no other papers in the offlce relating to this or the Balnicki title, but the papers I referred to in my recent letters were in particular certain abstracts of title made in about the year 1902.

The last word which I have received from Messrs. Leavitt and Bauer was that they were preparing maps and arranging to meet the difficulties in their title brought up by our search. I expect that it will take them some little time to have the necessary street vacation proceedings completed.

Yours very truly,

IRVING RIKER.

STATEMENT OF PURCHASE OF PROPERTY IN ELIZABETH AND LINDEN FROM FREDERICK K. DAY

Purchase Price	$18,480.00
Apportionment of Linden Taxes (Paid by Day)	13.06
	$18,493.06
Deposit	$ 500.00
Apportionment of Elizabeth Taxes (2nd Half Unpaid)	5.14
Warrant on Delivery of Deed	17,980.00
Warrant for Tax Adjustment	7.92
	$18,493.06

Moved and on roll call carried that further action on the disposal plant be laid over until the next meeting.

The following bills were read and on roll call ordered paid after being approved by the Auditing Committee.

Voucher			
88	Wm. S. Levins	Executive Committee	83.33
89	Richard S. Earl	"	83.33
90	H. J. Stanley	"	83.33
91	Edward Hornbeck	"	83.33
92	Wellington Campbell	"	83.33
93	Thomas L. Raymond	"	83.33
94	Henry Biringer	"	83.33
95	E. M. Barradale	"	83.33
96	O. O. Oaks	"	83.33
97	Chas. W. Mink	"	83.33
98	Frank A. O'Connor	"	83.33
99	Edward S. Rankin	Salary	291.66
100	Richard S. Earl	"	208.33
101	S. H. Rollinson	"	208.33
102	Wm. G. Dassing	Services	50.00
103	Weibezahl Print	Printing	27.00
104	Fredk. Keer's Sons	Frame	10.00
105	Alex. Potter	Expense Acct.	209.88
106	Edward S. Rankin	"	3.88
107	Riker & Riker	Legal Expense	297.15
108	Grassmann & Kreh	Surveys	150.00

On motion the meeting adjourned at 4.50.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of December 9, 1926.

(Construction.)

A meeting of the Joint Meeting for Construction was held on the above date at the Newark City Hall at 4:10 p. m. Mayor Rollinson in the Chair and all municipalities responding to roll call excepting Newark and Roselle Park.

Mr. Potter and Mr. Pringle were also present.

On motion the minutes of the previous meeting were approved.

The following resolution recommended by the Executive Committee was on roll call passed.

RESOLVED, that whereas the Joint Meeting on November 18, 1926, made application in writing to the Township of Union in the County of Union for its consent to the location and construction, within the Township of Union in the County of Union, of the works, devices or plants for the purification or other treatment of sewage of the municipalities constituting said Joint Meeting in connection with the construction and maintenance of the Supplementary Joint Trunk Sewer, upon the property set forth in the description accompanying said application; and whereas, at a meeting of the Township Committee of Union in the County of Union held on December 6th, 1926, an Ordinance was introduced granting such consent and describing the location of said plant, a copy of which said Ordinance is hereto attached and paragraph 2 of which said Ordinance provides:

"2. Said consent is given upon the express understanding that the Township of Union shall forthwith have the right to exceed the capacity of usage granted it under agreement dated May 5, 1902, providing such usage shall not impair the use of the existing joint trunk sewer by the other municipalities, as guaranteed them by present existing contract relating to existing joint trunk sewer, it being understood that this provision shall not be construed to enlarge the maximum of capacity allotted to Union Township under agreement of June 1, 1926, and Joint Meeting shall, as one of the conditions of the effectiveness of this Ordinance, forthwith adopt a resolution granting such right to Union Township."

now therefore it is

RESOLVED that upon the passage of said Ordinance by the Township Committee of the Township of Union in the County of Union and upon said Ordinance being approved and becoming effective according to law the said Township of Union in the County of Union shall forthwith have the right to exceed the capacity of usage granted it under agreement dated May 5, 1902, providing such usage shall not impair the use of the existing Joint Sewer by other municipalities, as guaranteed them by present existing contract relating to existing joint trunk sewer, it being understood that this provision shall not be construed to enlarge the maximum of capacity allotted to Union Township under agreement of June 1, 1926, and it is

FURTHER RESOLVED that a certified copy of this resolution be transmitted by the Secretary to the Township Committee of the Township of Union in the County of Union.

The Secretary read the following report presented by the Treasurer:

December 9th, 1926.

TO THE VARIOUS MUNICIPALITIES COMPRISING
THE JOINT MEETING.

Gentlemen:

The Treasurer respectfully reports that on the 18th day of November, 1926, the date of his last report, he had on deposit in the Hillside National Bank the sum of $32,-108.88.

The Treasurer further reports that since the date of his last report he was allowed the sum of $56.49 interest, so that the total amount of cash on hand was the sum of $32,165.37, as shown on Schedule I.

The Treasurer further reports that since the date of his last report he has executed warrants as shown on Schedule II hereunto annexed, amounting to $2,372.86, so that the total amount of cash on hand to date is $29,-792.51.

All of which is respectfully submitted this 9th day of December, 1926.

RICHARD S. EARL,
Treasurer.

SCHEDULE I.

1926			
Nov. 18	Balance	$32,108.88	
Dec. 1	Interest for November	56.49	
			$32,165.37

SCHEDULE II.

1926			
Dec. 2	Wm. S. Levins	83.33	
	Richard S. Earl	83.33	
	H. J. Stanley	83.33	
	Edward Hornbeck	83.33	
	Wellington Campbell	83.33	
	Thomas L. Raymond	83.33	
	Henry Biringer	83.33	
	E. M. Barradale	83.33	
	O. O. Oaks	83.33	
	Chas. W. Mink	83.33	
	Frank A. O'Connor	83.33	
	Edward S. Rankin	291.66	
	Richard S. Earl	208.33	
	S. H. Rollinson	208.33	
	Wm. G. Dassing	50.00	
	Weibezahl Print	27.00	
	Fredk. Keer's Sons	10.00	
	Alexander Potter	209.88	
	Edward S. Rankin	3.88	
	Riker & Riker	297.15	
	Grassmann & Kreh	150.00	
			2,372.86
	Cash on Hand		$29,792.51

It was moved that when we adjourn, we adjourn to meet next Thursday afternoon.

On motion the meeting adjourned at 4:20 p. m.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of December 16, 1926.

(Maintenance.)

The Joint Meeting for Maintenance met at the Newark City Hall on the above date at 2:40 P. M. Dr. Campbell presiding and all municipalities represented except Summit.

On motion the minutes of the last meeting were approved as printed.

Mr. Potter stated that a few weeks ago he had recommended an increase in pay for the inspectors. After some discussion Mr. Stanley moved that the salary of the Chief Inspector be made $2700 per year and the Assistant Inspector $2400 per year. the same to take effect January 1, 1927. On roll call the motion was carried, 5 ayes, no noes.

The Secretary read the following communication from Mr. Hunt.

December 10, 1926.

To the Joint Meeting on Maintenance.

Gentlemen:

With regret at ending a relationship that has been so pleasant, but obliged to do so by pressure of work, I hereby resign as Chairman of the Joint Meeting on Maintenance. I ask that you make this effective as of the meeting of December 16.

Yours truly,

William S. Hunt.

On motion the resignation was accepted with regret.

The meeting then proceeded to the election of a new Chairman. Dr. Campbell was nominated and on motion the nominations were closed and the Secretary directed to cast a ballot for Dr. Campbell, who was thereupon declared elected.

The Secretary presented an approximate statement of the receipts and expenditures for 1926, and after some discussion the following resolution was presented and on roll call carried. Five ayes, no noes.

Whereas, in accordance with Chapter 175 of the State Laws of 1919, the Joint Meeting shall before the first day of December of each year make an estimate and determine

the cost and expense of maintaining and operating such public improvement for the year beginning the first day of January then next, and shall cause the same to be certified by the Secretary of the Joint Meeting to each of the municipalities contracting for said improvement;

THEREFORE BE IT RESOLVED, That the Joint Meeting hereby estimates and determines the cost and expense of maintaining and operating the Joint Outlet Trunk Sewer for the year beginning January 1, 1927, to be the sum of $9,100, and the Secretary directed to mail a copy of this resolution to each of the municipalities represented in the Joint Meeting.

The Treasurer presented the following report which on motion was received and ordered printed.

TO THE VARIOUS MUNICIPALITIES
COMPRISING THE JOINT SEWER MEETING.

Gentlemen:

The Treasurer respectfully reports that on the 28th day of August, 1926, the date of his last report, he had on deposit in the Orange National Bank the sum of $2888.67, with warrants outstanding aggregating $17.00, so that the total amount of cash on hand at the date of that report was the sum of $2871.67.

The Treasurer further reports that since the date of his last report he has deposited in the Orange National Bank the sum of $2,110, and has been allowed interest by said Bank to the amount of $11.74, as shown on Schedule I hereunto annexed.

The Treasurer further reports that since the date of his last report he has executed warrants, as shown on Schedule II hereunto annexed, amounting to $2,360.52, so that the total amount of cash on hand at the date of this report is the sum of $2,632.89, with warrants Nos. 3372 and 3383, totaling $17.00 still outstanding, so that the Treasurer has on deposit in the Orange National Bank the sum of $2649.89.

All of which is respectfully submitted, this Sixteenth day of December, 1926.

SIMEON H. ROLLINSON,
Treasurer.

SCHEDULE I.

Aug. 28, '26	Balance, Cash on Hand		$2871.67
Deposits:			
9/4 /26	Tap Fee	$ 10.00	
10/18	Township of South Orange ..	300.00	
19	City of Summit	300.00	
20	Town of West Orange	300.00	
	" " Irvington	300.00	
25	Township of Millburn	300.00	
11/19	City of Newark	600.00	
			2110.00
12/16	Interest allowed by Bank		11.74
			$4993.41

SCHEDULE II.

Disbursements		War. #	
8/30/26	Alexander Potter	3404	$ 83.33
	C. W. Sandford	3405	200.00
	J. J. Keating	3406	150.00
	Edw. S. Rankin	3407	29.16
9/3	Campbell Foundry Co.	3408	17.00
	F. W. Fort, Jr.	3409	39.40
	C. W. Sandford	3410	40.85
	Edw. S. Rankin	3411	50.00
	Edw. S. Rankin	3412	32.00
30	S. H. Rollinson	3413	62.50
	Alexander Potter	3414	83.33
	C. W. Sandford	3415	200.00
	J. J. Keating	3416	150.00
	Edw. S. Rankin	3417	29.16
10/15	American Surety Co.	34.18	20.00
	E. S. Rankin	3419	36.00
	N. Y. Telephone Co.	3420	29.50
	C. W. Sandford	3421	8.53
	C. W. Sandford	3422	34.93
	Weibezahl Print	3423	27.00
	J. P. Nawrath	3424	68.25
	Union Rubber Co.	3425	44.60
30	Alexander Potter	3426	83.33
	C. W. Sandford	3427	200.00
	J. J. Keating	3428	150.00
	Edw. S. Rankin	3429	29.16

11/30	Alexander Potter	3430	83.33	
	C. W. Sandford	3431	200.00	
	J. J. Keating	3432	150.00	
	Edw. S. Rankin	3433	29.16	
				2360.52
	Total Cash on Hand			$2632.89

The following bills were presented and on motion ordered paid after being approved by the Auditing Committee.

Voucher			
3426	Alex. Potter	October salary	83.33
3427	C. W. Sandford	" "	200.00
3428	J. J. Keating	" "	150.00
3429	E. S. Rankin	" "	29.16
3430	Alex. Potter	November salary	83.33
3431	C. W. Sandford	" "	200.00
3432	J. J. Keating	" "	150.00
3433	E. S. Rankin	" "	29.16
3434	Wm. S. Hunt	Executive Committee	25.00
3435	Wellington Campbell	" "	30.00
3436	H. J. Stanley	" "	35.00
3437	J. W. Costello	" "	20.00
3438	E. M. Barradale	" "	40.00
3439	E. G. Pringle	" "	10.00
3440	O. O. Oaks	" "	30.00
3441	F. A. O'Connor	" "	45.00
3442	Contractors Trading Co	Sewer Rods	192.00
3443	J. H. Schmidt, Jr.	Setting MH Heads	30.00
3444	Weibezahl Print	Printing Minutes	9.00
3445	E. S. Rankin	Expense Account	3.00

On motion the meeting adjourned at 3:10 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of December 16, 1926.

(Construction.)

The Joint Meeting for Construction met at the Newark City Hall on the above date at 3:10 P. M. Mayor Rollinson in the Chair and all municipalities represented excepting Newark, Roselle Park and Summit.

Mr. Potter and Mr. Pringle were also present.

On motion the minutes of the previous meeting were approved as printed.

Mr. Rollinson reported that he went to Trenton yesterday and had an interview with Dr. Costill. He convinced him that this Body was not in any way responsible for the late unpleasantness, and was assured by Dr. Costill that the incident was absolutely closed. He wanted Mr. Potter to come to Trenton personally whenever needed and he gave his assurance that the State Board would act immediately upon receipt of the consent of Union.

Mr. Potter said that he had had a conference with persons interested at tide water and expected to get the necessary rights for sludge storage tank and the right to use a dock for barges.

The following bill was read and on motion ordered paid after being approved by the Auditing Committee and after a release had been obtained by Mr. Pringle.

109	W. S. Manda & Co.	$306.60

It was moved that when we adjourn, we adjourn to meet next Thursday afternoon at 3:00 o'clock.

On motion the meeting adjourned at 3:30 P. M.

Edward S. Rankin,
Secretary.

Joint Meeting of December 23, 1926.

(Construction.)

A meeting of the Joint Meeting for Construction was held at the Newark City Hall on the above date at 3:10 P. M. Mayor Rollinson in the Chair and all municipalities responding to roll call excepting Irvington, Newark and South Orange. Mr. Potter and Mr. Pringle were also present.

Mr. Potter reported that on Monday night Union Township passed the ordinance permitting the construction of the Disposal Plant within their territory.

The Secretary presented the following communication from the Township of Union.

December 23, 1926.

To The
JOINT MEETING.

Gentlemen:

On November 18, 1926, you addressed to the Township Committee a communication as follows:

November 18, 1926.

To
THE TOWNSHIP OF UNION
in the County of Union, N. J.

The City of East Orange, Township of Hillside, Town of Irvington, Township of Maplewood, Township of Millburn, City of Newark, Borough of Roselle Park, Village of South Orange, City of Summit, Township of Union and Town of West Orange, municipal corporations of the State of New Jersey, contracting together for the construction and maintenance of a supplementary Joint Trunk Sewer and sewage treatment plant, organized in Joint Meeting, respectfully request that the Governing Body of the Township of Union in the County of Union grant to the municipalities so organized in Joint Meeting its consent to the location and construction of the works, devices or plants for the purification or other treatment of sewage of such municipalities, in connection with the construction and maintenance of said supplementary Joint Trunk Sewer, within the Township of

Union in the County of Union, said sewage plant to be constructed in such manner and form as may be approved by the Department of Health of the State of New Jersey in accordance with plans now pending before that department for its approval, or such modification of such plans as may be necessary to meet the topographical and physical conditions on the site to be selected.

JOINT MEETING,
By S. H. Rollinson,
Chairman.

Attest:
E. S. Rankin,
Secretary.

This application was authorized by resolution of the 18th of November, 1926.

—

You are hereby notified that at a regular meeting of the Township Committee of the Township of Union held in the Town Hall on December 20, 1926, an ordinance was duly passed on the third and final reading, granting to the interested municipalities the right to construct a sewage disposal plant on the tract of land designated upon the plan and map attached hereto and in accordance with the plans heretofore approved by the Joint Meeting and now before the State Department of Health for action.

I send herewith a certified copy of the ordinance adopted unanimously by the Township Committee.

Respectfully submitted,

WILLIAM W. FRIBERGER,
Township Clerk.

After some discussion it was moved and on roll call carried that the matter of transmitting the papers to the State Board of Health be left with the Chairman.

The Secretary presented the following bill which on roll call was ordered paid after being approved by the Auditing Committee.

#110 Riker & Riker, Legal Expenses $83.48

This being Mr. Mink's last appearance as a member of the Joint Meeting, Mr. Rollinson in a few remarks spoke of the pleasant relationship which had existed between us, and expressed the sincere regret of the Meeting in losing the services of Mr. Mink. He assured him that he would always be welcome at every meeting and could consider himself as an honorary member. Mr. Earl said that in his judgment Mr. Mink had done more to further the interests of the project than any other member of the meeting. After a brief reply from Mr. Mink it was moved and unanimously carried that these remarks be incorporated in the minutes.

It was moved that when we adjourn, we adjourn to meet two weeks from today or earlier at the call of the Chair.

On motion the meeting adjourned at 3:30 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of January 6, 1927.

(Maintenance.)

The Joint Meeting for Maintenance met at the Newark City Hall on the above date at 2:50 P. M. Dr. Campbell in the Chair and the following municipalities represented: Millburn, Irvington, South Orange and West Orange. The Engineer, Treasurer and Inspectors were also present.

On motion, the minutes of the last meeting were approved as printed.

There being a vacancy in the Vice-Chairmanship, Mr. Stanley was nominated for the office and unanimously elected.

The Engineer presented the following report:

January 6, 1927.

To the
JOINT MEETING
(Maintenance Body):

Gentlemen:

Mr. Corey W. Sandford has courteously pointed out to me that there should be a greater difference between his and Mr. Keating's salaries than $300.00, setting forth the following reasons amongst others:

First—Being possessed of an automobile and living practically in a geographical centre of the work, he must perforce be obliged to attend to special calls, which it would be neither fair nor proper to ask the assistant inspector, Mr. Keating, to do, who lives eight miles away.

Second—Out of his salary, Mr. Sandford furnishes headquarters for the automobile and supplies, for which space he has been offered $20.00 per month.

Mr. Sandford does not in any way attempt to depreciate the services of Mr. Keating, who is willing and anxious at all times to respond to and perform the duties assigned to him; but after a proper compensation for said headquarters has been allowed him, his increase of $300.00, as compared with Mr. Keating's $600.00, practically leaves them with the same net salary.

I have asked Mr. Sandford to be present at today's session and state his own case to the Joint Meeting.

Since the last Maintenance Meeting, nothing untoward has happened in connection with the Joint Trunk Sewer, excepting that evidences accumulate with respect to the

inadequacy of the present sewers, and that the pollution of the rivers, due to the overflowing sewers, continues to be a menace to the water supplies both of Elizabeth and Rahway.

Respectfully submitted,
ALEXANDER POTTER.

On motion, the report was received and ordered printed in the minutes.

Mr. Sandford having requested to be heard, made a statement of his duties and asked that a further increase in salary be granted him. It was moved that the matter be taken under advisement and considered at a subsequent meeting. Carried.

Moved, seconded and carried that the books of Maintenance Body be audited.

Mr. Potter said that the connection at Lyons Avenue and Lincoln Road had been made and tested and found satisfactory.

The following resolution was presented and on roll call carried, 4 ayes, no noes.

RESOLVED: That the several Municipalities do raise and pay to the Treasurer of the Joint Meeting the sum of $2,275.00, which shall be assessed upon the Joint Municipalities in the proportion fixed by the contract between the several Municipalities as provided for the care and maintenance of the Joint Sewer, i. e., each Municipality paying an equal amount, or one-seventh of such assessment (excepting the City of Newark, which shall pay two-sevenths, or one-seventh for Newark and one-seventh for Vailsburg), and further that the Secretary be directed to notify the various Municipalities of such assessment and the proportion to be paid by each; and be it further

RESOLVED: That the said monies be paid to the Treasurer of the Joint Meeting within twenty days of the sixth day of January, 1927.

This is the assessment for the first quarter of 1927.

The following bills were read and on roll call ordered paid after being approved by the Auditing Committee, 4 ayes, no noes.

Alex. Potter	December salary		$ 83.37
C. W. Sandford	"		200.00
J. J. Keating	"		150.00
E. S. Rankin	"		29.24
George B. Larney	Salary for 1926		25.00
N. Y. Telephone Co.	Service		37.82
Weibezahl Print	Reprinting Portions of, and binding, Vol. III		343.55
C. W. Sandford	Auto expenses	69.40	
	Expense	5.20	74.60
S. H. Rollinson	4th quarter salary		62.50
J. J. Keating	Expense		5.45
E. S. Rankin	Expense		1.42
E. S. Rankin, Secretary	Petty Cash		16.00

The Secretary presented his annual report of receipts and expenses. On motion, the report was received and ordered printed.

STATEMENT OF RECEIPTS AND DISBURSEMENTS FOR 1926.

Receipts.	Balance last report	$ 599.55
	Interest	41.95
	Assessments	8400.00
	Tap fee	70.00
	Return monies advanced to Construction Body	619.50
		$9731.00

Disbursements.	Salaries: Engineer	$1000.00
	Secretary	386.00
	Chief Inspector	2400.00
	Asst. Inspector	1800.00
	Treasurer	250.00
	Auto expenses	285.13
	Expense accounts	32.57
	Phone service	113.77
	Petty Cash	140.00
	Printing	661.75
	Insurance	102.40
	Executive Committee	330.00
	Manhole heads and Repairs	67.00
	Filing contracts	85.25
	Indexing Minutes	50.00
	Rope and Boots	112.85
	Sewer rods	192.00
	Miscellaneous	73.50
		$8082.22
	Balance December 31, 1926	1648.78
		$9731.00

It was moved that the Treasurer be authorized to stop payment on check No. 3383, it having been lost, and the Secretary was directed to issue a duplicate check.

On motion, the meeting adjourned at 3:10 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of January 6, 1927.

(Construction.)

The Joint Meeting for Construction met at the Newark City Hall on the above date at 3:10 P. M. Mayor Rollinson in the Chair and all municipalities represented with the exception of Newark.

On motion, the minutes of the last meeting were approved as printed.

Mr. Pringle stated that he had paid the Manda claim and filed with the Secretary a release from Mr. Manda.

Mr. Rollinson stated that he had called the State Board of Health on Wednesday and learned that the matter was now in the hands of Mr. Croft who would shortly be prepared to get in touch with Mr. Potter. He expected that the matter would be speedily taken care of. He also said he expected to be away next week. It was decided to hold no meeting on January 13th, and it was moved that when we adjourn, we adjourn to meet two weeks from today unless sooner convened by the Chair. Carried on roll call.

The Secretary read a communication from the Union Township Clerk stating that Mr. Ambrose B. Kline had been appointed to represent the Township of Union in the Joint Meeting.

On motion, the Secretary was directed to make note of the same in the minutes.

The following bills were read and, on motion, ordered paid after being approved by the Auditing Committee:

Voucher			
111	William S. Levins	Executive Committee	8 83.33
112	Richard S. Earl	" "	83.33
113	H. J. Stanley	" "	83.33
114	Edward Hornbeck	" "	83.33
115	Wellington Campbell	" "	83.33
116	Thomas L. Raymond	" "	83.33
117	Henry Biringer	" "	83.33
118	E. M. Barradale	" "	83.33
119	O. O. Oaks	" "	83.33
120	Charles W. Mink	" "	83.33
121	Frank O'Connor	" "	83.33
122	Edward S. Rankin	Salary	291.66
124	S. H. Rollinson	"	208.33
123	Richard S. Earl	"	208.33
125	William G. Dassing	Services	50.00
126	Weibezahl Print	Printing	45.00
127	E. S. Rankin	Expense	3.87

The Chair appointed Mr. Kline on the Auditing Committee to take the place of Mr. Mink.

On motion the meeting adjourned at 3:20 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of January 20, 1927.

(Construction.)

A meeting of the Joint Meeting for Construction met at the Newark City Hall on the above date at 3 P. M., Mayor Rollinson in the Chair, and all municipalities represented except Newark and South Orange.

On motion, the minutes of the last meeting were approved as printed.

The Engineer presented the following report which, on motion, was received and ordered printed.

To the
JOINT MEETING

Gentlemen:

I am still awaiting word from Mr. Croft, of Trenton, to the effect that he has examined the plans for the Supplementary Joint Trunk Sewer sufficiently to be able to discuss the matter with me.

I have a letter dated January 7th, from the Board of Public Works, City of Elizabeth, and I have transmitted to the Secretary a copy of this letter, together with a copy of my reply, which should form a part of this report.

BOARD OF PUBLIC WORKS,
City of Elizabeth,
New Jersey.

January 7th, 1927.

Alexander Potter, Esq., C. E.
No. 50 Church Street,
New York City.

Dear Sir:

This Board has been holding up the paving of Princeton Road, this City, from Park Avenue to Livingston Road, for over two years, due to the fact that the tentative alignment of the Joint Municipal Sewer, for which you are Consulting Engineer, passes through this street.

This Board is now arranging the paving program for 1927, and for that reason would like to know if the Joint Municipal Sewer is going to be constructed through this street in the near future.

We would like to have an answer in writing, in this matter, within a week, signed by the proper authority, or this street will be included in our program for this year.

Very truly yours,
BOARD OF PUBLIC WORKS,
F. J. Travers, President.

January 6, 1917.

Mr. F. J. Travers,
President, Board of Public Works,
Elizabeth, N. J.

My dear Mr. Travers:

I have your letter of January 7th.

We hope that at last we have everything cleared up in connection with our Joint Municipal Sewer. As you know the State refused to consider our plans until we had had a site for a disposal plant located in some municipality from which we could get an official consent to construct a sewage disposal works within its municipal borders.

In view of the fact that the City of Elizabeth had refused to permit us to construct a sewage disposal plant it was not an easy matter to get the acquiescence of any other municipality. We have, however, succeeded in getting the Township of Union to permit us to construct a sewage disposal within its boundary. This has taken considerable time, but the consent was granted us on December 22nd, and we immediately notified the State Department of Health. They have promised us a report upon our plans within a week, and if there are no insuperable conditions imposed upon us by that Department, we should start the construction of this work within the next two months.

We recognize the annoyance that we have been to the City of Elizabeth in holding up their program of paving, and appreciate keenly Elizabeth's position in this entire matter.

It is impossible for us to give you any better statement than this, but inasmuch as you ask for an answer by the proper authorities, I am submitting your

letter to the Joint Meeting, which unfortunately does not meet again until January 20th. I trust, however, that this statement of mine will suffice your needs. I did not desire to bother you unduly until I had something concrete to report to you, and I have been patiently awaiting the report of the State Department of Health so that I can communicate definitely with the City of Elizabeth upon this matter.

With kindest regards, I remain,

Yours very sincerely,
ALEXANDER POTTER.

Several days ago I met Mr. Collins, City Engineer of Elizabeth, who advised me that they would proceed with the paving program on all the streets authorized to be constructed, and if this is done it will increase the cost of sewer construction very materially.

I am also in receipt of a letter from the Township of Hillside, dated January 7th, stating that they had accepted the resolution submitted by the Joint Meeting and adopted the specifications covering the use of cast iron connections as provided by Article XIII of the contract. I have suggested that the Secretary call the attention of the other municipalities to the action of Hillside, in the hope that we may get their concurrent approval to the adoption of this standard specification for house connections. I cannot urge too strongly the importance of the adoption of this specification and the faithful carrying out of its provisions, for a large percentage of the excessive flow in sewers is introduced not in the sewers themselves but in the house laterals and connection with cellars.

I respectfully call your attention to the fact that I voluntarily suggested the insertion in my contract for engineering, that I be paid a specific sum for preparing detail plans and making the necessary detail surveys upon the letting of the first contract, because I had assumed that this contract would be let in four months after the signing of the joint contract between the municipalities.

Conditions over which I have had no control have caused not only a very serious delay in the letting of the first contract but have seriously embarrassed me in the conduct of this work, and I find myself unable to finance this work indefinitely and would respectfully request that I be paid at least a portion of the money

which is due me for engineering services. My contract provides that I be paid the sum of $25,800. upon the letting of the first contract, and as practically all of the work, so far as I am able to perform it, has been done, a payment of at least one-half of this amount should be made to me, which I respectfully request.

Respectfully submitted,
ALEXANDER POTTER.

Moved that the Secretary communicate with all municipalities which have not adopted the specifications recommended for the use of cast iron house connections, requesting them to adopt same. Carried on roll call.

Mr. Rollinson stated that he had talked this morning with Dr. Costill who told him that they had gone over the plans and found everything satisfactory and that we would hear from them very soon.

Moved that the Secretary write to the Elizabeth Board of Public Works, advising them that we expect to begin work on the sewer in the very near future and that Counsel has been instructed to communicate with their legal department regarding a contract between Elizabeth and the Joint Meeting. Carried on roll call.

Moved that Counsel be instructed to submit to Elizabeth the contract heretofore prepared by Mr. Riker looking toward the securing of permission to use the streets of Elizabeth for the Joint Sewer. Carried on roll call.

Moved that Mr. Potter's request for further compensation be referred to Counsel. Carried on roll call.

The Treasurer submitted the following report which, on roll call, was received and ordered printed.

January 20th, 1927.

TO THE VARIOUS MUNICIPALITIES COMPRISING
THE JOINT MEETING:

Gentlemen:

The Treasurer respectfully reports that on the 9th day of December, 1926, the date of his last report, he had on deposit in the Hillside National Bank, the sum of $29,792.51.

The Treasurer further reports that since the date

of his last report he was allowed the sum of $50.47 interest, so that the total amount of cash on hand was the sum of $29,842.98, as shown on Schedule I, hereunto annexed.

The Treasurer further reports that since the date of his last report he has executed warrants as shown in Schedule II hereunto annexed, amonting to $2,113.90, so that the total amount of cash on hand to date is $27,729.08

All of which is respectfully submitted this 20th day of January, 1927.

RICHARD S. EARL,
Treasurer.

Schedule I.

1926.			
Dec. 9	Balance	$29,792.51	
1927			
Jan. 1	Interest for December	50.47	$29,842.98

Schedule II.

1927			
Jan. 6	W. S. Manda & Co.	$306.60	
	Riker & Riker	83.48	
	William S. Levins	83.33	
	Richard S. Earl	83.33	
	H. J. Stanley	83.33	
	Edward Hornbeck	83.33	
	Wellington Campbell	83.33	
	Thomas L. Raymond	83.33	
	Henry Birringer	83.33	
	E. M. Barradale	83.33	
	O. O. Oaks	83.33	
	Charles W. Mink	83.33	
	Frank O'Connor	83.33	
	Edward S. Rankin	291.66	
	S. H. Rollinson	208.33	
	Richard S. Earl	208.33	
	William G. Dassing	50.00	
	Weibezahl Print	45.00	
	E. S. Rankin	3.87	$2,113.90
	Cash on Hand		$27,729.08
			$29,842.98

Upon motion, the meeting adjourned at 3:30 P. M., to meet next Thursday afternoon.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of January 27, 1927.

(Construction.)

The Joint Meeting for Construction met at the Newark City Hall on the above date at 3 P. M. Mayor Rollinson in the Chair and the following municipalities represented: East Orange, Hillside, Maplewood, Millburn, Summit, Union and West Orange.

Mr. Potter, Mr. Pringle and Engineer Willegerod of East Orange were also present.

On motion, the minutes of the last meeting were approved as printed.

Mr. Pringle reported in the matter of Mr. Potter's request for a payment that, in accordance with the contract, this payment was not due until the execution of the first construction contract but that the Joint Meeting if it so desired could by appropriate action provide for such modification of the contract as will authorize the payment requested. On motion, the opinion was received and ordered filed.

Mr. Pringle alsso reported in connection with the Elizabeth contract that the Elizabeth City Counsel would not be able to confer with him for another week on account of other duties and suggested that the contract already prepared be sent to him so that he could go over it at his leasure.

Mr Potter presented the following report which, on motion, was received and ordered printed:

January 27, 1927.

To The
JOINT MEETING.

Gentlemen:

I have to report that I have received a letter from the State Department of Health to the effect that, in the progress of their examination of the data submitted, they would like additional information from me as to certain features of the design and I have made an appointment with Dr. Costill to go over those matters with him and Mr. Croft at Trenton to-morrow morning at 10 o'clock.

Most of the matters raised in the letter of Dr. Costill, I think, can be readily taken care of in conference.

Respectfully submited,

ALEXANDER POTTER.

Mr. Levins objected to the resolution regarding house connections passed on December 2, 1926, on the ground of the large additional cost and for the reason that East Orange, even for their largest apartment houses, used nothing larger than 4 inch connections. Mr. Willegerod stated that all connections from the main sewer to the house were laid by three skilled men in the employ of the City and felt that they were obtaining results as good as could be obtained by the use of iron pipe. It was moved and, on roll call carried, that the Engineers of the several municipalities consider an amendment to the specifications included in the above resolution.

Moved and carried that the matter of Mr. Potter's compensation be taken up. After considerable discussion participated in by all the members present, it was moved that Counsel be directed to make modification of the contract in order to allow Mr. Potter to receive 50% of the payment that would be due him on the execution of the first construction contract. Carried on roll call.

On motion, the meeting adjourned at 4 P. M. to meet next Thursday afternoon.

Edward S. Rankin,
Secretary.

Joint Meeting of February 3, 1927.

(Construction.)

A meeting of the Joint Meeting for Construction was held at the Newark City Hall on the above date at 3 P. M. Mayor Rollinson in the Chair and all municipalities present except Newark and Summit.

Mr. Pringle and Mr. Potter were also present.

On motion, the minutes of the previous meeting were approved as printed.

Mr. Pringle reported that the City Counsel of Elizabeth had not yet been able to set a date for a conference on the contract.

Mr. Potter presented the following report:

February 3, 1927.

To The
JOINT MEETING:

Gentlemen:

As stated at the last session of the Joint Meeting, held on January 27th, I proceeded to Trenton on Friday morning and met with Dr. Costill, Director Department of Health; Mr. Croft, the engineer and his assistant, Mr. Riker.

When the conference was half over, Mr. Chandler, a member of the State Department of Health, from Newark, joined in the conference.

The questions raised in Dr. Costill's letter to me, under date of January 22nd, were taken up for discussion seriatim and a conclusion was reached in reference to eight of the nine points contained in that letter.

In regard to the capacity of the sewage disposal plant, no definite conclusion was arrived at, but it was understood that I should point out to them, in writing, the additional information not submitted to them heretofore justifying my position in requesting an approval of the plant of the size shown upon the plans. This I have done, and I hope that at our next conference the matter can be adjusted satisfactorily.

I submit herewith a copy of a letter, under even date, that I have written to Dr. Costill in pursuance of the understanding reached at Trenton, and as I make certain statements which should have the endorsement of the Joint Meeting, I would request the passage of a resolution to the effect that the Joint Meeting concurs in the recommendations and promises set forth in my said letter, and that I be instructed to take this matter up with the engineers of the State Department of Health to the end that all of the differences may be adjusted.

Respectfully submitted,
ALEXANDER POTTER

The letetr referred to, together with Dr. Costill's letter to which it was an answer, are printed below:

State of New Jersey,
DEPARTMENT OF HEALTH.
Trenton.

January 22, 1927.

Mr. Alexander Potter,
Consulting Engineer,
50 Church Street,
New York City, N. Y.

Dear Mr. Potter:

In the progress of our examination of the data submitted by you for the construction of a sewer system in Union Township and a Joint Trunk Sewer for parts of Union and Essex Counties, and a sewage treatment plant to be located in Union Township, we wish at this time to place before you the following:

1. Your plans and specifications do not include information on the type of sewer construction for the lines under pressure, for the stream crossings, and for those lines within the immediate vicinity of the streams. The same principle of design should, we believe, be carried out for these plans as in the case of Hillside Township, where you were the consulting engineer.

2. Manholes are not provided at all changes in alignment.

3. Information is not submitted as to how the flow from each municipality is to be measured, nor is it specified that the recorder at the sewage plant is to be a continuous one. This information is necessary.

4. It is estimated that the 1936 sewage flow (10 years hence), as taken from the various reports submitted by you, will be 36.75 million gallons per 24 hours. You have designed your plant for 25 million gallons per 24 hours, which we estimate is no more than enough capacity to treat the present flow. We are not in a position to waive the requirement set up by the Department, that "the plant must be designed for a future estimated population 10 years hence".

5. There is no information accompanying the location plan and map of the treatment plant to be situated in Union Township to indicate whether all the sewage contributing to the Joint Trunk Sewer is to be treated. Information on this point is requested.

6. The plan of the proposed site of the plant in Union Township, dated December, 1926, is incomplete inasmuch as it does not indicate how the sludge from the tanks is to be disposed.

7. There is no detail of the chlorine detention tank. This detail is required.

8. The data submitted on the maintenance and operation of the plant is not complete. (See page 9, par. h, Rules and Regulations.) Information is not included in the report on the disposal of screenings from the mechanical screens and supernatant water from the sludge storage tank. Specifications do not include a list of tools to be used at the plant.

9. From the information submitted we are unable to check the statement in your report that the amount of sludge collected will require to start with not more than one barge of sludge every two weeks. Page 12, report of 10-21-26.

Nos. 8 and 9 are based on the presumption that sludge is to be disposed of at sea.

These matters are placed before you for consideration, with the request that we be advised of your desires.

Very truly yours,

H. B. Costill, M. D.,
Director.

February 3, 1927.

Dr. H. B. Costill,
Director Department of Health,
Trenton, N. J.

My dear Dr. Costill:

Your letter of January 22nd came duly to hand.

Immediately upon its receipt, I made careful analysis of the various questions raised. Many of these questions could be answered by correspondence, but the importance of this whole matter to the interested municipalities and the State is so great that I believed it was for the best interests of all concerned to have a personal conference with you and the Engineers of the State Department of Health, and to this end you were good enough to arrange a conference for Friday, January 28th, at your office in Trenton.

As a result of my investigation into the questions raised and in accordance with my promise at our conference in Trenton, I beg to submit the following answers to the queries raised in your letter:

1. *The use of pressure pipe on certain parts of the line.* A supplementary specification is submitted to take care of your criticism. The omission of the specification for this particular item is due to the fact that even as late as December 21, 1926, I was not satisfied as to the course to be followed. I made a special trip to Detroit in December for the purpose of witnessing the test of a new method of fabrication of reinforced concrete pressure pipe which I am of the opinion can very satisfactorily resist the pressures to which our lines have been subjected within the limits of leakage which is normally considered acceptable for water tight work.

2. *Provision for manholes at all changes of alignment.* It is true that there are places along the Joint Trunk Sewer where the provision of your rule is not complied with. There is a reason for this, for a careful examination of the plans submitted will disclose that manholes have been inserted at all changes of alignment wherever practicable. Manholes are impracticable at all changes in alignment along the pressure line. There are certain sections of the sewer which pass under streams, in which a change of alignment occurs, where it is im-

practical to construct manholes due to the obstruction such manholes would cause in the rivers. While I thoroughly agree with the principle set forth in this rule of your Department and propose to carry it out to the letter wherever possible, in our case there must be exceptions to the rule, to which I think your Engineers will subscribe. If you can point out where any additional manholes can be inserted to more practically comply with your rule on this point, we will gladly insert them.

3. *Location and character of the measuring devices for measuring the flow from the various municipalities.* I submit herewith a plan showing the location of these various measuring devices. The measuring devices proposed to be used will be of the recording type of depth measuring instruments, similar or equal to the Bristol meter; they will be of the weekly chart type. As is the present practice of determining the flow in the Joint Trunk Sewer, the meter measurement is checked up by a determination of the velocity in order that we might make corrections for variations in the coefficient of roughness of the pipe. The master meter at the treatment plant will be of the Venturi type of recording meter. Records of all flow measurements will be continuous.

4. *Capacity of the sewage disposal plant.* I desire to call your attention to certain conditions not heretofore submitted to you for consideration, excepting by inference which I think will justify your Engineers in accepting my conclusions in this matter, namely, that in designing a tank for 25 million gallons we have taken care of the probable requirements until 1936.

The contract between the joint municipalities provides that the Joint Meeting shall have full power not only over the sewers to be constructed but over all local sewers constructed throughout the area, for the purpose of seeing to it that all possible leakage is eliminated. This power of the Joint Meeting extends not only to the sewers but also to the house connections up to and into the houses. The importance of this provision cannot be over-emphasized.

Acting under the provision of this contract, the Joint Meeting has recently adopted a specification requiring the use of cast iron pipe on all house connections, and the Joint Meeting reserves the right to inspect these house

connections as well as the sewers to be constructed throughout the system. The contract between the joint municipalities also provides for an expenditure of $25,000 for the elimination of leakage known to exist in Section 6 of the existing Joint Trunk Sewer. The location of this leakage is well defined: it has been measured from time to time, and is found to be between 2 and 3 million gallons. The average daily flow of 18 million gallons as recorded by us includes this leakage, which, when eliminated will substantially reduce the per capita consumption throughout the area. There are a number of other places where leakage occurs which will be elminated by the construction of the new sewer.

The specifications for Hillside approved by your Department have been so written as to eliminate all possible leakage. These specifications, as well as the specifications for Union Township point out the importance of the elimination of this leakage, and both Hillside and Union Township are willing to pay to the contractor the additional amount necessary to procure the very highest type of sewer construction. Under these circumstances, I am of the opinion that by 1936 we can assuredly count upon an average daily flow not to exceed 100 gallons, which, with a population of 244,000, would indicate that the sewage disposal plant as designed will be ample to provide a 4-hour retention period for sewage at that time.

As your Department knows, the settling tanks of the City of Syracuse have a retention period of 90 minutes and are giving results commensurate with those anticipated by the engineer. It is true that this plant has not been in service for more than a year; consequently your Engineers cannot be criticized for not accepting this as a true criterion, but there is a possibility that experience during the next five years will demonstrate that a period of retention less than 4 hours will be ample, and if so, we have this additional factor to fall back upon as to the sufficiency of our tanks.

The whole matter, however, rests in the hands of the State Department of Health, and if at the end of 5 years it is demonstrated that a period of retention of 4 hours is absolutely necessary and that the flow is likely to exceed 100 gallons per capita at the end of 10 years, the Joint Meeting recognizes the right of the State to authorize it to construct additional units to the plant whenever, in its opinion, such additional units are found to be

necessary, so that at the termination of the 10-year period the most rigid requirements of the State can be complied with.

5. *Extent of sewage flow to be treated at the new location.* It has been pointed out in our conferences that if the plant is located upon the site selected in Union Township, the sewage of the Borough of Roselle Park cannot be led to the proposed sewage treatment plant, but will be temporarily discharged untreated.

When the time comes that it is necesary to treat the sewage of Roselle Park, the Joint Meeting will undertake to construct a screening plant at the Roselle Park line, or provision will be made to treat the Roselle Park sewage in the Elizabeth plant when it is constructed.

6. *Method of conveying the sludge from the plant in Union Township, to tidewater.* Plans of this pipe line and the location of the tanks are submitted herewith, together with an outline specification thereof.

7. *Chlorine detention tank.* It is not contemplated to install a chlorine detention tank for the treatment plant situated in Union Township. The time required for the sewage to pass from this site to the outfall is 72 minutes which, in our judgment, is ample for a thorough mixing of the chlorine with the sewage.

8. *Disposition of screenings and request for list of tools.* If located at the site purchased at tidewater, the screenings were to be dumped upon the land in the vicinity of the plant and immediately covered with ashes from a nearby furnace, the owners of this furnace having asked permission to dump the material upon our land.

If located in Union Township, it is our intention either to erect a small incinerator or make some arrangement with Irvington, which town, has recently completed the construction of an up-to-date incinerator, whereby they can take care of the screenings in their plant.

The supernatant liquid from the sludge storage tank was to have been returned to the intake of the sewage disposal plant in order that we might reduce the cost of barging to sea, provided the plant be located near tidewater.

The entire contents of the sludge storage tank, includ-

ing the supernatant fluids, will be carried to sea in barges if the plant is located in Union Township.

The following is the list of tools to be provided for the sewage disposal plant:

Oil cans, snips, soldering pipe, flashlights, lanterns, rakes, rubber force cups, paint brushes, rubber squeegies, braces, bits, planes, chisels, levels, tapes, hammers, pliers, wrenches, brace drills, tool grinders, stock dies, vises, files, blow torches, pipe cutters, wheelbarows, picks, shovels, hoes, sprinklers, lawn mowers, axes, saws.

9. *Amount of sludge to be handled.* Our analyses and examinations of sewage flow and the amount of settleable solids in the sewage indicate that there is an average of 179 parts of settleable solids per million. Our experience shows that the water content of the sludge, basing our calculations on the experience at Syracuse, Passaic Valley and other places which we have examined, is from 90 to 92 per cent. With a 60 per cent removal, this gives us an accumulation of 300,000 gallons in two weeks' time; whereas the capacity of the barge is 305,000 gallons and the capacity of our storage tank is 375,000 gallons. For purposes of comparison, it might be well to call your attention to the fact that the Passaic Valley, with an average flow of 110 million gallons, barges 425 tons to sea, per day. We expect a better removal from our tanks than that secured from the Passaic Valley.

If there is any further information required by your Engineers, I should be very glad to furnish it to them upon request.

Respectfully submitted,

ALEXANDER POTTER.

It was moved and seconded that it is the understanding of the Joint Meeting that if, and when, the sewage of Roselle Park is treated, it will be at the expense of the Joint Meeting. Carried on roll call.

Moved that the clause in Mr. Potter's letter relating to screenings be approved. Carried on roll call.

Resolved that the report of the Engineer accompanied by his letter under date of February 3rd, to Dr. Costill, be received and printed in the minutes, and that he be authorized

to transmit the letter to the State Department of Health with the statement that the recommendations made therein were concurred in as the action of the Joint Meeting; that the plans and specifications accompanying the report be also transmitted. Carried on roll call.

Moved that a Committee of three be appointed to confer with Counsel with a view to drafting legislation permitting us to establish a disposal plant at tidewater. Carried on roll call.

The Chair appointed Messrs. Barradale, O'Connor and Earl as the committee with power to increase its own membership if desired.

Mr. Pringle presented the following resolution which, on roll call,, was carried, 8 ayes, one no.

> Resolved, that whereas the agreement between The Joint Meeting and Alexander Potter, Esq., Engineer, dated July 1, 1926, provides in the part thereof relating to payments to be made by the party of the first part to the party of the second part, and in paragraph III of said agreement as follows:
>
> > "Upon the execution of the first construction contract for any part of the proposed Supplementary Joint Trunk Sewer, branches and appurtenances or of the proposed sewage treatment plant, The Joint Meeting will pay to the Engineer the further sum of Twenty-five Thousand Eight Hundred Dollars ($25,800.00), which sums of money together with the sums heretofore paid to the Engineer shall be taken to have been earned by him up to the dates of making such payments."
>
> and
>
> Whereas the execution of the first construction contract above referred to has, through no fault of either The Joint Meeting or Alexander Potter, been delayed for a longer period than was contemplated when the July 1, 1926 contract was made and has not yet taken place; and
>
> Whereas it is desired to so modify said agreement of July 1, 1926, as to provide for the payment at this time of Twelve Thousand Nine Hundred Dollars ($12,-

900.00) of the Twenty-five Thousand Eight Hundred Dollars ($25,800.00) immediately above mentioned to the said Alexander Potter, and in advance and before the execution of the first construction contract as provided in said original agreement and without changing, altering or modifying, in any way, any of the other provisions of said agreement of July 1, 1926 and solely for the purpose of paying, at this earlier date, a portion of said sum of Twenty-five Thousand Eight Hundred Dollars ($25,800.00) it is

RESOLVED that the agreement between The Joint Meeting and said Alexander Potter, Esq., Engineer, dated July 1, 1926, above referred to, be modified and amended to provide that there shall be paid to the said Alexander Potter, upon the execution of the proper modifying agreement between the Joint Meeting and him, one half of the said sum of Twenty-five Thousand Eight Hundred Dollars ($25,800.00) above mentioned, to wit, Twelve Thousand Nine Hundred Dollars ($12,900.00) and it is

FURTHER RESOLVED that the proper officers of The Joint Meeting are hereby authorized and directed to execute a supplementary agreement with said Alexander Potter providing for said payment, in such manner and form as prepared by Counsel for the Joint Meeting, said supplementary agreement to provide that said payment shall not affect any of the other terms, obligations or conditions of said original agreement.

Mr. Stanley reported that Irvington was passing the ordinance calling for cast iron house connections.

It was moved and seconded that the Secretary be authorized to draw a duplicate check for $45.00 to the order of The Weibezahl Print to replace the one lost in the mail. Carried on roll call.

It was moved and seconded that the proper officers be authorized to draw a check for $12,900.00 in favor of Mr. Potter on account of his contract. Carried on roll call.

The following bills were presented which, on roll call, were ordered paid after being approved by the Auditing Committee:

Voucher			
128	William S. Levins	Executive Committee	$83.33
129	Richard S. Earl	" "	83.33
130	H. J. Stanley	" "	83.33
131	Edward Hornbeck	" "	83.33
132	Wellington Campbell	" "	83.33
133	Thomas L. Raymond	" "	83.33
134	Henry Biringer	" "	83.33
135	E. M. Barradale	" "	83.33
136	O. O. Oaks	" "	83.33
137	Ambrose B. Kline	" "	83.33
138	Frank A. O'Connor	" "	83.33
139	Edward S. Rankin	Salary	291.66
140	Richard S. Earl	"	208.33
141	S. H. Rollinson	"	208.33
142	William G. Dassing	Services	50.00
143	Edward S. Rankin	Expense	3.27
144	Weibezahl Print	Printing	27.00
145	Alexander Potter	On account Contract	12,900.00

On motion the meeting adjourned at 3:50 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of February 10, 1927.

(Construction.)

A meeting of the Joint Meeting for Construction was held on the above date at the Newark City Hall at 3 P. M. Mayor Rollinson in the Chair and the following municipalities responding to roll call: East Orange, Maplewood, Millburn, South Orange, Summit, Union and West Orange.

On motion, the minutes of the last meeting were approved as printed.

Mr. Pringle reported progress on the Elizabeth contract.

Mr Potter presented the following report:

To the
JOINT MEETING:

Gentlemen:

Following the last session, Mr. Rankin dictated a letter to Dr. Costill transmitting to him the resolution passed by the Joint Meeting, adopting the suggestions contained in my letter of February 3rd.

On Friday morning I proceeded to Trenton with Mr. Rankin's letter and transmitted to the State Department of Health the report accompanied with the plans and specifications.

Dr. Costill was not in the city and at the suggestion of Mr. Merrill, his assistant, I took the matter up with Mr. Croft, Chief Engineer of the State Board of Health, and together we went over the matter contained in my letter of February 3rd, and as a result of this interview Mr. Croft feels that his report should be forthcoming at an early date.

I beg to report that I had a conference with Mr. Clyde Potts in regard to a special meeting of the State Department of Health, and I have his assurance that just as soon as Mr. Croft is ready with his report, a special meeting of the State Department of Health will be called to pass upon the plans and issue a permit. Mr. Potts is leaving for the South the early part of next week, but he advises me that his absence will not interfere with the calling of this meeting as soon as the engineers are ready.

I submit herewith a bill from Oscar W. Palmenberg,

in the amount of $35.00, for making a special analysis of sewage taken from the Joint Trunk Sewer, which bill meets with my approval.

I beg to state that I have been invited by the special committee of the Elizabeth Chamber of Commerce to meet with them to-morrow afternoon, at 5 o'clock, for the purpose of giving them information upon the subject of the proposed Supplementary Joint Trunk Sewer. I shall attend this meeting and give them whatever information in this connection lies in my power.

Respectfully submitted,

ALEXANDER POTTER.

On motion, the report was received and ordered printed.

For the Legislative Committee Mr. Barradale reported that they had held no meeting but that he and Mr. Potter had interviewed Dr. Costill and Mr. Croft in order to obtain their views. He said that the final report and recommendations would be made at the next meeting.

It was moved that the bill of Oscar W. Palmenberg for $35.00 for analysis of sewerage be ordered paid if approved by the Auditing Committee. Carried on roll call.

It was moved that when we adjourn, we adjourn to meet next Thursday.

On motion, the meeting adjourned at 3:20 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of February 24, 1927.

(Construction.)

A meeting of the Joint Meeting for Construction was held at the Newark City Hall on the above date at 3 P. M. Mayor Rollinson in the Chair and all municipalities present with the exception of Hillside, Irvington and Newark.

On motion, the minutes of the previous meeting were approved as printed.

Mr. Pringle reported that Senator Wolber had introduced a bill last Monday in accordance with the wishes of the Joint Meeting known as Senate 206 and that the bill had been referred to the Judiciary Committee. He said that the bill is an amendment to the 1899 act amending the title and adding matter with referrence to the construction of disposal plants. He also said that he had consulted Senator Pierson and the State Board of Health who were favorable to its passage.

The Engineer submitted the following report which, on motion, was received and ordered printed:

To The
Joint Meeting:

Gentlemen:

I beg to report that the engineers of the State Department of Health have recommended to the Department their approval of the plans of the proposed Supplementary Joint Trunk Sewer. The engineers made good their promise to have this report ready the first of the present week, but as the regular meeting of the State Department of Health is to be held next Tutsday, it was deemed inadvisable to call a special meeting of the Department for the purpose of considering this matter.

It was the intention of the State Department of Health to concurrently approve the plans of Union Township, but as the plans of Union Township which have been before the Department for 5 or 6 months contemplate the discharge directly into the old Joint Trunk Sewer and the Supplementary Sewer right down to the City of Elizabeth line, the engineers of the State Department of Health pointed out to me that they could not approve the plans

of Union Township until they had before them plans showing the method of handling the sewage from the lower part of Union, on the assumption that the sewage disposal plant is located upon the site about to be approved by the State Department of Health.

Appreciating that the chances of building the sewage disposal plant at the Union Township site are remote, I have not been anxious to put the Joint Meeting or the Township of Union to the expense of the necessary redesign of sewers in the lower part of the Township when such plans may never be used.

The matter is further complicated by the fact that if constructed at this point, Union must necessarily pump this portion of its sewage back to the disposal plant. The cost of the pumping, due to the change in location, is to be borne by the Joint Meeting under the terms of the ordinance passed by Union Township and accepted by the Joint Meeting.

The element of pumping involves another municipality, namely Hillside, for, as I view it now, the sewage of Union can more economically be handled by the Hillside pumping station than in any other way, and if so, a joint agreement between Hillside, Union and the Joint Meeting must be made to take care of this additional pumping.

The State, furthermore, refuses to consider revised plans of Union until an agreement is reached between Hillside and Union which will satisfy the State Department of Health that Union has a legal right to use the Hillside pumping station if the designs which must be undertaken indicate this to be the best plan of handling the sewage of that portion of Union which requires a modification in the design due to the change in location of the disposal plant.

Respectfully submitted,
ALEXANDER POTTER.

Mr. Potter also brought up the question of the necessity of pumping part of the sewage of Union in case the disposal plant is located in that Township, and said that the State Board would not pass on the Union plans until changes had been made in them which changes would involve some expense and questioned whether this expense should be borne by Union or by the Joint Meeting. After some discussion, the matter was referred to Counsel to report at the next meeting.

On roll call, the following resolution was passed:

Resolved, That the action of the Engineer in revising his plans to call for the construction of four units of sedimentation basins, instead of three, to meet the requirement of the New Jersey State Department of Health, be concurred in; and that the Engineer is authorized to transmit these revised plans to the said Department of Health, together with the specificatios covtring the additional precautions to be taken to secure tight joints, especially where the sewer extends along, over or under, streams.

It was moved that the action of the Chairman and Secretary in signing this resolution last week, there being no quorum present, and of the Engineer in anticipating this resolution, be ratified and confirmed. Carried on roll call.

The Secretary read the following report from the Treasurer:

February 10, 1927.

To the Various Municipalities Comprising
The Joint Meeting:

Gentlemen:

The Treasurer respectfully reports that on the 20th day of January, 1927, the date of his last report, he had on deposit in the Hillside National Bank, the sum of $27,729.08.

The Treasurer further reports that since the date of his last report he was allowed the sum of $50.47 interest so that the total amount of cash on hand was the sum of $27,779.55, as shown on Schedule I hereunto annexed.

The Treasurer further reports that since the date of his last report he has executed warrants as shown on Schedule II hereunto annexed, amounting to $14,605.22, so that the total amount of cash on hand to date is $13,174.33.

All of which is respectfully submitted this tenth day of February, 1927.

Richard S. Earl,
By L. R. Wallack,
Treasurer.

SCHEDULE I.

1927.			
Jan. 20	Balance	$27,729.08	
" 31	Interest for January	50.47	
			$27,779.55

SCHEDULE II.

1927.			
Feb. 1.	Wm. S. Levins	$83.33	
	Richard S. Earl	83.33	
	H. J. Stanley	83.33	
	Edward Hornbeck	83.33	
	Wellington Campbell	83.33	
	Thomas L. Raymond	83.33	
	Henry Birringer	83.33	
	E. M. Barradale	83.33	
	O. O. Oaks	83.33	
	Ambrose B. Kline	83.33	
	Frank A. O'Connor	83.33	
	Edward S. Rankin	291.66	
	Richard S. Earl	208.33	
	S. H. Rollinson	208.33	
	William G. Dassing	50.00	
	Edward S. Rankin	3.27	
	Weibezahl Print	27.00	
	Alexander Potter	12,900.00	$14,605.22
	Cash on Hand		$13,174.33
			$27,779.55

Mr. Oaks stated that one of his salary checks had been lost and asked that a duplicate check be issued. On motion, the proper officers were authorized to issue a duplicate check and stop payment on the original check. Carried on roll call.

On motion, the meeting adjourned at 3:30 P. M. to meet next Thursday afternoon.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of March 3, 1927.

(Construction.)

A meeting of the Joint Meeting for Construction was held on the above date at 3 P. M. Mayor Rollinson in the Chair and all municipalities represented except Newark.

On motion, the minutes of the last meeting were approved as printed.

The Counsel reported progress on the matter of the expense of modifying the plans for the Union local sewers.

The Engineer presented the following report which, on motion, was received and ordered printed.

March 3, 1927.

To the
JOINT MEETING:

Gentlemen:

As you are doubtless aware, from the notices appearing in the public press, the State Department of Health has approved plans and specifications for the construction of the Supplementary Joint Trunk Sewer and a sewage disposal plant to be located in Union.

I endeavored to get an official copy of the approval together with the conditions set forth in the report of the engineer of the State Department of Health, in time for to-day's meeting, but was advised by Dr. Costill that this was improbable.

The action of the State Department of Health in approving these plans clears the air for specific action in connection with the construction of the Supplementary Joint Trunk Sewer, and I therefore recommend that the question of procuring rights of way along the various sections of the sewers be taken up forthwith.

There is nothing, in my judgment, that stands in the way of letting contracts for certain portions of the work. For the moment, I do not think it is advisable to consider the letting of contracts on Sections 1 and 2 because of certain minor modifications which will have to be made in the sewers, depending upon the location of the disposal plant. If the plant is to be located in Union, certain sewer sizes must be increased slightly, thus adding

to the cost. This, of course, should be avoided, if possible.

There is no objection, however, to the letting of contracts for the construction of Sections 3, 4 and 5, and also for the repairs to Section 6. The State has made a strong point upon reducing the leakage in Section 6, as a determinant for fixing the size of the ultimate disposal plant. I am of the opinion, that a call should be made upon the various municipalities for an additional appropriation. No determination has yet been made as to how frequently these appropriations should be called for, but on the assumption that they will be called for not oftener than every three months, I should think that during the next three months the sum of $150,000 will be required in connection with the construction of the sewer.

The Township of Hillside, at a meeting last night, passed a resolution agreeing to enter into a contract with the Township of Union, permitting them the use of their sewerage pumping facilities upon terms that will be agreed upon between them.

I hope that at the next session of the Joint Meeting I shall make a more definite recommendation as to the time when bids can be received upon the construction of the sewer.

Respectfully submitted,

ALEXANDER POTTER.

Moved that the Secretary notify the members of the Right-of-Way Committee to meet next Thursday afternoon at 2:30 P M. Carried.

Mr. Potter stated that he would be ready at any time to advertise for bids for Sections 3, 4 and 5, but recommended that Sections 1 and 2 be deferred for the present. It was moved that the Engineer be directed to have the plans and specifications for Sections 3, 4 and 5 ready for advertising and present them at the meeting next week. Carried on roll call.

Moved that the matter of levying another assessment be laid over until the next meeting. Carried on roll call.

Mr. Barradale, for the Legislative Committee, reported that the bill relating to the Joint Sewer was still in the Senate. On motion, the report was received.

The following bills were presented and, on motion, ordered paid after being approved by the Auditing Committee. Carried on roll call.

1927.					
Mar. 3	148	Wm. S. Levins	Executive Committee		$83.33
	149	Richard S. Earl	"	"	83.33
	150	H. J. Stanley	"	"	83.33
	151	Edward Hornbeck	"	"	83.33
	152	Wellington Campbell	"	"	83.33
	153	Thomas L. Raymond	"	"	83.33
	154	Henry Birringer	"	"	83.33
	155	E. M. Barradale	"	"	83.33
	156	O. O. Oaks	"	"	83.33
	157	Ambrose B. Kline	"	"	83.33
	158	Frank A. O'Connor	"	"	83.33
	159	Edward S. Rankin	Salary		291.66
	160	Richard S. Earl	"		208.33
	161	S. H. Rollinson	"		208.33
	162	Wm. G. Dassing	Services		50.00
	163	Edward S. Rankin	Incidentals		3.48
	164	Weibezahl Print	Printing		51.00
	165	Miller & Pillsbury	Stationery		10.00
	166	O. O. Oaks	Executive Committee		83.33

The Chairman appointed Mr. Kline as member of the Right-of-Way Committee to take the place formerly occupied by Mr. Mink.

On motion, the meeting adjourned at 3:45 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of March 10, 1927.

(Construction.)

The Joint Meeting for Construction was held on the above date at the Newark City Hall at 3 P. M. Mayor Rollinson in the Chair and all municipalities responding to roll call with the exception of Newark, Roselle Park, Summit and West Orange.

The Engineer and Counsel were also present.

On roll call, the minutes of the previous meeting were approved as printed.

Mr. Potter recommended the purchase of the Kleinhaus lot.

Moved that Mr. Klein be and he is hereby authorized to secure either a contract or an option on the Kleinhaus property at a price not to exceed $80.00 per foot. Carried on roll call.

Moved that the Chairman be authorized to communicate with Mr. Kauffman to arrange for a joint conference between the Chamber of Commerce and the Board of Public Works of Elizabeth and the Joint Meeting, to discuss the question of a site for the disposal plant. Carried on roll call.

Moved that Mr. Barradale, Chairman of the Legislative Committee be authorized to deal with Senate bill No. 206 as to him seems to the best interests of the Joint Meeting. Carried on roll call.

Mr. Potter stated that the City of Elizabeth objected to vacating the paper street through the Bauer property. Moved that the matter be referred to Counsel, to report after reviewing the proceedings so far conducted by Riker & Riker. Carried on roll call.

For the Right-of-Way Committee, Mr. Stanley stated that they deemed it advisable to employ temporarily one person in each municipality to obtain the necessary rights-of-way and recommended that this be done. On motion the report was received and the Committee was authorized to temporarily employ one man from each municipality to secure the neces-

sary rights-of-way, at a salary of $150.00 per month, plus 10% on all rights acquired such employees to be appointed by the Joint Meeting on recommendation of the member of the municipality in which said rights-of-way are to be acquired. Carried on roll call.

Moved that Counsel be authorized to draw the necessary papers for acquiring rights-of-way from municipalities. Carried on roll call.

Moved that the matter of advertising for bids be laid over for one week. Carried on roll call.

The Chairman presented a bill for services rendered by Mr. Daniels. On motion, the matter was referred to the Finance Committee and the Engineer, to report at the next meeting Carried on roll call.

The Treasurer presented the following report which, on motion, was received and ordered printed.

March 10, 1927.

To the Various Municipalities Comprising
The Joint Meeting:

Gentlemen:

The Treasurer respectfully reports that on the 10th day of February, 1927, the date of his last report, he had on deposit in the Hillside National Bank, the sum of $13,174.33.

The Treasurer further reports that since the date of his last report he has taken credit for Voucher #119 in the amount of $83.33 and Voucher #126 in the amount of $45.00, both of which were lost in the mail. He further reports that he was allowed the sum of of $31.45 interest so that the total amont of cash on hand was the sum of $13,334.11, shown on Schedule I, hereunto annexed.

The Treasurer further reports that since the date of his last report he has executed warrants, as shown on Schedule II, hereunto annexed, amounting to $1,902.76, so that the total amount of cash on hand to date is $11,431.35.

All of which is respectfully submitted this 10th day of March, 1927.

Richard S. Earl,
Treasurer.

SCHEDULE I.

1927.			
Feb. 10	Balance	$13,174.33	
	Voucher #119 Canc'd, Lost	83.33	
	Voucher #126 Canc'd, Lost	45.	
28	Interest	31.45	$13,334.11

SCHEDULE II.

1927.			
Feb. 10	Oscar Palmenberg	$35.00	
Mch. 3	Wm. S. Levins	83.33	
	Richard S. Earl	83.33	
	R. J. Stanley	83.33	
	Edward Hornbeck	83.33	
	Wellington Campbell	83.33	
	Thomas L. Raymond	83.33	
	Henry Birringer	83.33	
	E. M. Barradale	83.33	
	O. O. Oaks	83.33	
	Ambrose B. Kline	83.33	
	Frank A. O'Connor	83.33	
	Edward S. Rankin	291.66	
	Richard S. Earl	208.33	
	S. H. Rollinson	208.33	
	Wm. S. Dassing	50.00	
	Edward S. Rankin	3.48	
	Weibezahl Print	51.00	
	Miller & Pillsbury	10.00	
	O. O. Oaks	83.33	
	Weibezahl Print	45.00	$ 1,902.76
	Cash on Hand		$11,431.35
			$13,334.11

Moved that Counsel be directed to draft a letter for the Chairman to send to the Chairman of Union Township regarding a change in location of the disposal plant to a point nearer to tide water. Carried on roll call.

Moved that the consent of the State Board of Health for the construction of the Joint Trunk Sewer and Disposal plant be received and printed in the minutes, and referred to the Executive Committee for consideration, they to report at the next meeting. Carried on roll call.

Department of Health,

State of New Jersey.

Mr. Edward S. Rankin,
The Joint Meeting,
City Hall, Newark, N. J.

Dear Sir:

At a meeting of the Department of Health of the State of New Jersey, held March 1, 1927, the following preamble and resolutions were adopted:

Whereas, application has been duly made to the Department of Health of the State of New Jersey, as provided in Chapter 210 of the Session Laws of 1899 as amended by Chapter 72 of the Session Laws of 1900, and by Chapter 313 of the Session Laws of 1904, and in accordance with Chapter 297 of the Session Laws of 1908 as amended by Chapter 309 of the Session Laws of 1912, and also in accordance with Chapter 288 of the Session Laws of 1915, for approval of the conditions under which the Joint Meeting of Newark proposes to build sewerage works consisting of a supplementary Joint Trunk Sewer and Sewage Disposal Works, the works to be located in the Township of Union, and of a capacity to treat an average daily sewage flow of 29,840,000 gallons; the sewage disposal works to consist of mechanical coarse screens, grit removers, settling tanks and chlorination building and devices, as shown and described in the following data (see Exhibit A attached—H. P. C.) in Union Township, the effluent to be discharged at the point shown upon the plans into Arthur Kill, and to operate the same, therefore be it

Resolved, that the plans and specifications accompanying said application be and the same are hereby approved and permission is hereby given to the said Joint Meeting of Newark to build said works in accordance with said plans and specifications, be it further

Resolved, That permission is further given to operate the said plant when constructed in accordance with said plans and specifications, the permission to operate being subject to the following conditions:

1. That the permit is revocable at any time or subject to modification or change when in the judgment

of the Department of Health of the State of New Jersey, such revocation, modification or change shall be necessary.

II. That the issuance of this permit shall not be deemed to affect in any way action by this Department on any future application that may be made for permission to discharge additional sewage or effluent into the waters of this State.

III. That both the sewer system and the sewage disposal works shown by plans approved this day shall be fully constructed in complete conformity with such plans or approved amendments thereof.

IV. That in the examination of plans and specifications, the Department of Health of the State of New Jersey does not examine into the structural features of the design, such as thickness of concrete, adequacy of reinforcing, or the efficiency of any of the mechanical equipment or apparatus. The approval of plans and specification does not include the approval of any of these features.

V. That works for the treatment of the sewage from the Borough of Roselle Park, and satisfactory to the Department, shall be installed and operated when required by the Department. The method of sewage treatment shall at least be equal to that used in the treatment of the sewage from those municipalities comprising the Joint Meeting.

VI. That the Department acquiesce in the postponement until April 1, 1929, of the construction, installation and operation of the chlorination unit and appurtenances.

VII. That a chlorine detention tank, satisfactory to the Department shall be installed and operated at the sewage treatment works of the Joint Meeting when required by the Department.

VIII. That the leakage, which is estimated as 2,000,000 gallons per day as a minimum into Section 6 of the trunk sewer, be eliminated.

IX. That the sewage treatment works for the Joint Meeting shall be under the supervision of an operator, at all times, holding a license for Primary Treatment—

First Division, in accordance with the Rules and Regulations governing examinations for licenses for sewage treatment plant operators approved by the Department on April 6, 1926.

Dated March 3, 1927.

H. B. Costill,
Director.

EXHIBIT A.

Information Submitted by Alexander Potter on Proposed Supplementary Joint Trunk Sewer

	Feb. 21, 1927
Application blank	Oct. 28, 1926
Report to Joint Meeting	Aug. 12, 1925
Letter of Revision to Joint Meeting	Oct. 3, 1925
Report to Joint Meeting	Oct. 21, 1926
Report to State Department of Health	No date
Authorization for plant site in Union Township	Dec. 20, 1926
Specifications	No date
Contract between municipality comprising Joint Meeting	1926
Addenda to Specifications & Resolution	Feb. 3, 1927
Letter of February 3d—Additional engineering data.	
Addenda to Specifications & Resolution	Feb. 17, 1927
Map — Supplementary Joint Trunk Sewer showing increments of sewage flow	October, 1926
Map — Supplementary Joint Trunk Sewer showing location of treatment plant in Union Township and gaging station	June, 1925 (Revised 1927)
Plan and Profile—Section 1	June, 1925
Plan and Profile—Section 2	June, 1925
Plan and Profile—Section 3	June, 1925
Plan and Profile—Section 4 and 4-A	June, 1925
Plan and Profile—Section 5	June, 1925
Plan and Profile—Section 5-A and 5-C	June, 1925
Plan and Profile—Section 5-B	June, 1925
Outfall—Plan section and details—Arthur Kill	June, 1925

Typical manholes on sewers larger than 54-inch	October, 1926
Manhole—Trenton Ave. and Bayway	October, 1926
Detail of Connection below and above tunnel	October, 1926
Siphon under Newark Storm Sewer (Orange Ave.)	October, 1926
Siphon under Newark Storm Sewer (Grove Terrace)	October, 1926
Detail of cross-connection Station 4-X	October, 1926
Standard manhole frame and cover	October, 1926
Detail of Augusta St. and Lyons Ave. intersection	October, 1926
Gaging manholes	February, 1927
Details of various railroad crossings—Section 1	October, 1926
Typical manholes on sewers smaller than 54-inch	October, 1926
Detail of crossovers and connections	June, 1925
General layout of sewage treatment plant	February, 1927
Detail of coarse rack	October, 1926
Sewage treatment plant plan, section and elevation of screening station and laboratory	Sept., 1926
Plans and sections of grit remover	October, 1926
Plans, sections and details of settling basins	Sept., 1926
Plan and elevation of chlorine building proposed for future construction	October, 1926
Sewage treatment plant—plans and sections of sludge pumping station	Sept., 1926
Sewage treatment plant—sludge storage tank and drain pump station	Sept., 1926
Location of sludge line at Arthur Kill	February, 1927

Moved that the Chairman be requested to write a letter to Mayor Raymond, expressing the sympathy of the Joint Meeting for him in his illness, and expressing the hope of a speedy recovery. Carried on roll call.

On motion, the meeting adjourned at 4:30 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of March 17, 1927.

(Maintenance.)

A meeting of the Joint Meeting for Maintenance was held on the above date at the Newark City Hall at 2:50 P. M.

On roll call all municipalities responded with the exception of Summit. Dr. Campbell in the chair. The Inspector, Treasurer and Engineer were also present.

On motion, the minutes of the previous meeting were approved as printed.

Mr. Potter reported that on a recent examination of the sewer it was found to be in good condition with the exception of Section 5, which was flooded. On motion, the report was received.

The Treasurer presented the following report which, on motion, was received and ordered printed.

To the Various Municipalities Comprising
The Joint Sewer Meeting:

Gentlemen:

The Treasurer respectfully reports that on the 16th day of December, 1926, the date of his last report, he had on deposit in the Orange National Bank, the sum of $2,649.89, with warrants outstanding aggregating $17.00, so that the total amount of cash on hand at the date of that report was the sum of $2,632.89.

The Treasurer further reports that since the date of his last report he has deposited in the Orange National Bank the sum of $2,295.00, and has been allowed interest by said bank to the amount of $13.68, as shown on Schedule I hereunto annexed.

The Treasurer further reports that since the date of his last report he has executed warrants, as shown on Schedule II, hereunto annexed, amounting to $2,572.93, so that the total amount of cash on hand at the date of this report is the sum of $2,368.64, with warrants Nos. 3372 and 3383, totalling $17.00, still outstanding, so that the Treasurer has on deposit in the Orange National Bank the sum of $2,385.64.

All of which is respectfully submitted, this seventeenth day of March, 1927.

Simeon H. Rollinson,
Treasurer.

Schedule I.

1926				
Deposits:				
Dec. 16	Balance, Cash on Hand			$2,632.89
1927				
Jan. 14	Tap Fee (Union)		$ 10.00	
" "	Town of West Orange		325.00	
" 17	Village of South Orange		325.00	
" 18	City of Summit		325.00	
" 25	Township of Millburn		325.00	
Feb. 23	Tap Fee (Maplewood)		10.00	
" 21	City of Newark		650.00	
" 16	Town of Irvington		325.00	
				2,295.00
Mar. 15	Interest allowed by Bank			13.68
				$4,941.57

Schedule II.

Disbursements:

1926		Warrant No.	
Dec. 17	William S. Hunt	3434	$ 25.00
	Wellington Campbell	3435	30.00
	H. J. Stanley	3436	35.00
	J. W. Costello	3437	20.00
	E. M. Barradale	3438	40.00
	E. G. Pringle	3439	10.00
	O. O. Oaks	3440	30.00
	F. A. O'Connor	3441	45.00
	Contractors' Trad. Co.	3442	192.00
	J. H. Schmidt, Jr.	3443	30.00
	Weibezahl Print	3444	9.00
	E. S. Rankin	3445	3.00
" 30	Alexander Potter	3446	83.37
	C. W. Sandford	3447	200.00
	J. J. Keating	3448	150.00
	E. S. Rankin	3449	29.24
1927	S. H. Rollinson	3450	62.50
Jan. 7.	George B. Larney	3451	25.00
	N. Y. Telephone	3452	37.82
	Weibezahl Print	3453	343.55
	C. W. Sandford	3454	74.60

	J. J. Keating	3455	5.45
	E. S. Rankin	3456	1.42
	E. S. Rankin	3457	16.00
	Alexander Potter	3458	83.33
	C. W. Sandford	3459	225.00
	J. J. Keating	3460	200.00
	E. S. Rankin	3461	29.16
Feb. 28	C. W. Sandford	3463	225.00
	Alexander Potter	3462	83.33
	J. J. Keating	3464	200.00
	E. S. Rankin	3465	29.16
			2,572.93
	Balance, Cash on Hand March 17, 1927		$2,368.64

The following bills were read and, on roll call, ordered paid after being approved by the Auditing Committee. Five ayes, no noes.

Alex. Potter	January salary	$ 83.33
C. W. Sandford	" "	225.00
J. J. Keating	" "	200.00
E. S. Rankin	" "	29.16
Alex. Potter	February salary	83.33
C. W. Sandford	" "	225.00
J. J. Keating	" "	200.00
E. S. Rankin	" "	29.16
Weibezahl Print	Printing Minutes	12.00
Flockhart Fdy. Co.	Manhole Heads and Covers	37.00
Lenape Hydraulic Pressing & Forging Co.	Manhole Heads	24.00
C W. Sandford	Expense Account	6.92
C. W. Sandford	Auto Expenses	26.75
E. S. Rankin, Sec'y	Petty Cash	36.00

On motion, the meeting adjourned at 3 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of March 17, 1927.

(Construction.)

A meeting of the Joint Meeting for Construction was held on the above date at the Newark City Hall, at 3:10 P. M. Mayor Rollinson in the chair and all municipalities responding to roll call with the exception of Newark and Summit.

On motion, the minutes of the last meeting were approved as printed.

Mr. Potter presented the following report:

To the
JONIT MEETING.
Gentlemen:

At a meeting held by the Township of Union authorities on Tuesday, March 15th, the Township Counsel and the Township Committee were apprehensive as to whether the changes in their local system to conform with the location of the disposal plant in Union would in any way interfere with the right already given by the Joint Meeting to permit them to use the sewer as provided in the resolution of the Joint Meeting adopted December 9, 1926, and they requested that I write them a letter to the effect that this change would in no wise interfere with the right granted them at that time.

I have dictated a letter to the Township Committee of Union along those lines, and attach it hereto.

To the
Honorable Members of the
TOWNSHIP COMMITTEE,
Township of Union,
Union, N. J.

Dear Sirs:

Responding to your inquiry concerning the effect of the proposed revision of the plans for the comprehensive sewerage system for Union Township, pursuant to the requirements of the State Board of Health as I have outlined them to you, with particular reference to right of immediately constructing sewers which shall have their outlet in the present Joint Trunk Sewer, I beg to say that it is my opinion that as

soon as these plans are approved by the State Board of Health, you will have the right at once thereafter to construct all such sewers as are indicated on such plans; that such sewers will have the immediate right of entry into the present trunk sewer, and that such right of present use of said trunk sewer, as to amount of use, is governed by the resolution of the Joint Meeting, adopted December 9, 1926, relating to this subject matter.

Respectfully submitted,
ALEXANDER POTTER.

In reference to Mr. P. H. Daniels's bill which was referred to the Finance Committee and the engineer to be reported on to the Joint Meeting, I have not yet been informed by Mr. Daniels as to the time devoted to this work, so that I will have to defer the matter until I am in receipt of the information from him.

The Township of Hillside expects to receive bids for the construction of its sewer on Wednesday next, and from all appearances it would seem that there will be much competitive bidding. I sincerely trust that we can make a start upon the securing of private rights-of-way so that we will be free to advertise for bids upon the joint trunk sewer at an early date. The opinion expressed at a former meeting was to the effect that until some start had been made upon the procuring of rights-of-way, proposals should not be advertised for.

In regard to Section 5, Mr. I. J. Casey, Town Engineer of Irvington has suggested a modification in the line at the lower part of Irvington due to the fact that the Town is projecting a new street parallel to Union Avenue, and I would recommend the approval of the change in route due to the laying out of this new street. I hope to have the plans and profiles for approval of the Joint Meeting at the next session.

Respectfully submitted,
ALEXANDER POTTER.

Moved that the letter to Union be approved. Carried on roll call.

Mr. Potter also read a letter from the City Attorney of Elizabeth regarding a conference. Moved that Mr. Potter be authorized to confer with Mr. Nugent. Carried on roll call.

Mr. Rollinson reported that he had written a letter to

Mayor Raymond as directed at the last meeting. He also reported that he had written to Mr. Kaufman regarding a conference with the Chamber of Commerce of Elizabeth and had received a reply, saying that they had not yet visited the plant at Syracuse.

Moved that the report of the Executive Committee approving the acceptance of the permit from the State Board of Health be received. Carried on roll call.

For the Right-of-Way Committee, Mr. Kline reported that Messrs. Kreh and Stanley had inspected the Kleinhaus lot and that he had refused to accept less than $90 per foot for the lot. On Mr. Kline's recommendation, it was moved that we pay $90 per front foot for this lot. Carried on roll call.

Mr. Barradale reported that Senate Bill No. 206 had been reported out of Committee favorably.

On motion, the meeting adjourned at 3:30 P. M. to meet next Thursday afternoon.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of March 24, 1927.

(Construction.)

A meeting of the Joint Meeting for Construction was held at the Newark City Hall on the above date at 3 P. M. Mayor Rollinson in the Chair and all municipalities responding to roll call with the exception of Newark, Roselle Park and Irvington.

On motion, the minutes of the previous meeting were approved as printed.

The Engineer presented the following report which on motion, was received and ordered printed:

March 24, 1927.

To the
JONIT MEETING.

Gentlemen:

I submitted plans to the Township of Union, showing the changes in their sewerage system made necessary by the relocation of the sewage disposal plant in Union Township.

The changes consist of a pumping station located near the lowest part of the existing Joint Trunk Sewer in the Township of Union. These plans have been approved by the Township under a resolution, a copy of which is as follows:

"RESOLVED, that the addenda and changes submitted March 23, 1927, by Mr. Alexander Potter, Consulting Engineer, and Mr. Henry Kreh, Jr., Township Engineer, to the plans and specifications for a comprehensive sewerage system for the Township of Union heretofore submitted, be and are hereby approved, and that the said addenda and changes be submitted for approval by the State Board of Health of New Jersey, and

"RESOLVED FURTHER, that the Clerk notify the Joint Meeting that said addenda and changes provide for the erection of a pumping station and force mains in the Township of Union, and other revision of the sewage system contemplated for said Township of

Union, and will entail additional pumping necessities in the said Township, which cost of such necessitated pumping station, force mains and other pumping facilities and cost of maintenance and of pumping are to be borne by the municipalities constituting Joint Meeting pursuant to the provisions of the Ordinance of the Township of Union adopted December 20, 1926, providing for permission for erection and maintenance of a sewerage separation plant in the Township of Union by the municipalities constituting Joint Meeting."

I, William W. Friberger, Clerk of the Township of Union, in the County of Union, hereby certify the foregoing to be a correct and true copy of a resolution by the Township Committee of said Township at a meeting held March 23rd, 1927.

Given under my hand and the seal of the Township of Union, this twenty-third day of March, A. D., one thousand nine hundred and twenty-seven.

William W. Friberger,
Clerk of the Township of Union,
in the County of Union.

A copy of the plans is also submitted herewith, for the archives of the Joint Meeting.

Plats of the various pieces of land required for rights-of-way have been given to the agents appointed by the Joint Meeting. I have conferred with them during the week, but the length of time that has elapsed since the last session of the Joint Meeting is so short, that no definite rights have been absolutely closed.

Last night the Township of Hillside opened bids for the construction of the local sewerage system and pumping station. The bids received were lower than the engineers' estimate of the work, indicating that today is a favorable time to let work, and I sincerely trust that the right-of-way men will make sufficient headway in the procuring of strategic rights-of-way so that there will be no delay in proceeding with the work of constructing the Supplementary Joint Trunk Sewer.

The matter of Mr. P. N. Daniels's bill is still in abeyance. I expect to be in Trenton in connection with the

Union Township plans in the near future, and at that time I will endeavor to have a conference with Mr. Daniels in reference to the details of his bill.

Respectfully submitted,
ALEXANDER POTTER.

Mr. Barradale made a report on Senate Bill No. 206 and, after some discussion it was moved that the bill be withdrawn at the request of the Joint Meeting. Carried on roll call.

For the Right-of-Way Committee, Mr. Barradale said that the agents had started work but had not yet secured any options. It was moved that the agents employed by the Joint Meeting be authorized to enter into contracts for the necessary rights-of-way at the rate of not to excced one dollar per lineal foot. Carried on roll call.

The following agents were recommended:

Mr. A. A. Sauer, of Maplewood,
Mr. L. J. Zahnbauer, of Union,
Mr. Joel P. Martin, of Irvington,
Mr. Ira Redfern, of South Orange.

It was moved that these men be appointed as agents of the Joint Meeting for securing the rights-of-way for the Joint Meeting at a compensation of $150.00 per month, plus 10% of the consideration for each contract secured. The appointment to begin March 17, said appointments to be at the pleasure of the Joint Meeting. Carried on roll call.

Mr. Klein said in reference to the Kleinhaus lot that Mr. Stanley had come to an agreement with Mr. Kleinhaus to purchase the lot at $90 per foot, title to close in 60 days. It was moved that the proper officers be authorized to execute a warrant for $500, to be paid on the signing of the agreement, after the same had been approved by Counsel. Carried on roll call.

Moved that Counsel be, and is hereby, instructed to make the proper examination of title in all cases where it is necessary to take title to property required for the construction and operation of the Joint Sewer. Carried on roll call.

Moved that the sum of $500. be set aside to the order of the Secretary on which he is authorized to draw from time to

time as it may be necessary to provide our agents with the necessary funds to make payments on securing rights-of-way. Carried on roll call.

Mr. Potter stated that he had received a letter from Mr. Bauer asking that some action on hi sproperty be taken. No action was taken.

On motion, the meeting adjourned at 3:40 P. M. to meet next Thursday.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of March 31, 1927.

(Construction.)

The Joint Meeting for Construction met on the above date at the Newark City Hall at 3 P. M. Mayor Rollinson in the Chair and all municipalities responding to roll call with the exception of Newark and South Orange.

On motion, the minutes of the previous meeting were approved as printed.

Counsel reported that he had delivered the $500 check to Mr. Kleinhaus and received a receipt therefor and was now preparing the contract. He also said that he was preparing the municipal rights-of-way agreements.

Moved that the Engineer be instructed to hold a conference with the engineers of the several municipalities rgarding rights-of-way through streets. Carried.

The Secretary reported that he had deposited, in his name as Secretary, the $500 check given to him last week for rights-of-way options with the Labor Bank. On motion, the report was received and ordered spread on the minutes.

A recess of five minutes was taken after which the meeting reconvened with Mr. Stanley in the Chair.

Mr. Potter presented his usual report which, on motion, was received and ordered printed.

March 31, 1927.

To the

JOINT MEETING:

Gentlemen:

Outside of the specific purchase of two pieces of property that it is necessary to buy outright, no effort has been made to secure rights-of-way within the City of Elizabeth. While the sewer, for the most part, in the City of Elizabeth passes through public highways, there are a number of rights-of-way to be negotiated within the City of Elizabeth, and I would recommend that someone be given authority to negotiate these rights-of-way.

I have communicated with the various gentlemen engaged in the procuring of rights-of-way, and I find that, so far as Union is concerned, Mr. Zahnbauer has not closed on any of the rights-of-way; he has seen most of the property owners and has met with no serious obstacle. The absolute closing of rights-of-way cannot be done promptly, as there must necessarily be discussions in practically all cases.

Mr. J. P. Martin, of Irvington, advises me that the first piece of property on which a definite price has been fixed, has been so absurdly high that I can see no reason for discussing the matter further with the owner, but would recommend that the attorney be authorized to begin condemnation proceedings for the right to cross the property in question.

I cannot see why we cannot proceed with negotiations with the City of Elizabeth for a contract for a right-of-way through its streets, and it is also essential that we get a form of contract from the City of Linden for the right to use its streets, as the street between Linden and Elizabeth through which the sewer is to pass is partially in one city and partially in the other. I would recommend that the same Committee that was authorized to negotiate the right-of-way with Elizabeth be also authorized to take up with the City of Linden the question of right-of-way through its municipality.

Mr. Redfern and Mr. Sauer report progress on Sections 4 and 4A, and I expect Mr. Sauer to be present at to-day's meeting to explain the progress he has made.

Respecfully submitted,

ALEXANDER POTTER.

It was moved that his recommendation regarding the appointment of an agent to secure rights-of-way in Elizabeth be referred to the Right-of-Way Committee. Carried on roll call.

Moved that Counsel be instructed to start condemnation proceedings on the property of the Pure Milk Farms, Inc., of Irvington. Carried on roll call.

Moved that Counsel be instructed to prepare a contract with Linden similar to the Elizabeth contract. Carried on roll call.

Mr. J. P. Martin, agent for Irvington, explained regard-

ing the Milk Farms property and reported on other owners who had been interviewed. Mr. Sauer, of Maplewood, said that he had taken up the right-of-way question with all but three of the Maplewood owners. He read a letter from Mr. Levitt regarding his property fronting on Springfield Avenue. After some discussion, it was moved that the matter be referred to the Right-of-Way Committee to report next week. Carried.

On motion, the meeting adjourned at 4:10, to meet next Thursday.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of April 7, 1927.

(Construction.)

A meeting of the Joint Meeting for Construction was held on the above date at the Newark City Hall, at 3 P. M. Mayor Rollinson in the Chair and all municipalities represented with the exception of Newark and Summit.

On motion, the minutes of the previous meeting were approved as printed.

The Counsel reported that the Kleinhaus contract was ready for execution. It was moved that the report be received and the proper officers authorized to execute the contract. Carried on roll call.

Regarding the contract with the Union County Park Commission, it was moved that the matter be referred to the Counsel and Engineer as a Committee to negotiate as to the form of contract. Carried on roll call.

Engineer Potter presented the following report which, on motion, was received and ordered printed.

April 7, 1927.

To the
JOINT MEETING:

Gentlemen:

Acting upon your instructions, we got in touch with the attorney of the City of Elizabeth and he has advised us that he is still tied up on the rate case against the Elizabethtown Water Co., but that he hopes that, in the next few days, he will be able to take up with counsel and myself the question of right-of-way through the City of Elizabeth.

The State Department of Health has on Tuesday of last week approved the plans for the construction of the Union Township sewerage system, and, acting under the authority granted by the agreement reached between us, they are proceeding to construct sewers in the Township subject to the provisions of the agreement as to the extent of flow entering the Joint Trunk Sewer.

The right-of-way agents have been making some

progress in connection with the procuring of rights-of-way, and several of them have promised to report progress at this meeting. As soon as the Joint Meeting feels that a sufficient number of rights-of-way have been procured to justify proceeding with the work, we are in readiness to advertise for bids for Sections 3, 4 and 5. Sections 1 and 2, with the exception of the disposal works, can be gotten ready in a relatively short period of time.

Respectfully submited,
ALEXANDER POTTER.

For the Right-of-Way Committee, Mr. Stanley reported progress and suggested the name of Thomas O'Connor as agent to secure rights-of-way in Elizabeth. It was moved that Mr. O'Connor be appointed. Carried on roll call.

He also said that the Pure Milk Farms was now being developed and moved that Mr. Potter confer with Mr. Casey, Engineer of Irvington, with the idea of running the sewer through one of the proposed streets and that Mr. Casey be requested to furnish the Counsel with a map of the property. Carried on roll call.

Moved that Counsel be instructed to temporarily discontinue condemnation proceedings. Carried on roll call.

Messrs. Kline, Barradale and Hornbeck also reported progress on right-of-way through their municipalities.

Mr. Potter suggested that a change of line be made in Maplewood in order to keep the sewer on Township property. The sewer would be 20 feet longer, but this would avoid the buying of rights-of-way through three properties. Moved that the change be approved. Carried on roll call.

The Secretary read the following bills:

Voucher				
169	Wm. S. Levins	Executive	Committee	$83.33
170	Richard S. Earl	"	"	83.33
171	H. J. Stanley	"	"	83.33
172	Edward Hornbeck	"	"	83.33
173	Wellington Campbell	"	"	83.33
174	Thomas L. Raymond	"	"	83.33
175	Henry Birringer	"	"	83.33
176	E. M. Barradale	"	"	83.33

177	O. O. Oaks	" "	83.33
178	Ambrose B. Kline	" "	83.33
179	Frank A. O'Connor	" "	83.33
180	Edward S. Rankin	Secretary's salary	291.66
181	Richard S. Earl	Treasurer's salary	208.33
182	S. H. Rollinson	Chairman's salary	208.33
183	Wm. G. Dassing	Sundry salaries	50.00
184	Edward S. Rankin	Misc. Expenses	3.92

Moved that the bills be referred to the Finance Committee and paid if found correct. Carried on roll call.

On motion, the meeting adjourned at 3:25 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of April 14, 1927. (Construction.)

A Joint Meeting for Construction met at the Newark City Hall on the above date at 3:00 P. M. Mayor Rollinson in the Chair and all municipalities responding to roll call with the exception of East Orange, Irvington, Newark, Roselle Park and South Orange.

On motion, the minutes of the previous meeting were approved as printed.

Counsel reported progress on the Elizabeth contract and examination of titles.

The Treasurer presented the following report which, on roll call, was received and ordered printed:

April 14, 1927.

To the
VARIOUS MUNICIPALITIES COMPRISING
THE JOINT MEETING:

Gentlemen:

The Treasurer respectfully reports that on the 10th day of March, 1927, the date of his last report, he had on deposit in The Hillside National Bank, the sum of $11,431.35.

The Treasurer further reports that he was allowed the sum of of $18.36 interest, so that the total amount of cash on hand was the sum of $11,449.71, as shown on Schedule 1, hereunto annexed.

The Treasurer further reports that since the date of his last report he has executed warrants as shown on Schedule II, hereunto annexed, amounting to $2,678.87, so that the total amount of cash on hand to date is $8,770.84.

All of which is respectfully submitted this fourteenth day of April, 1927.

RICHARD S. EARL,
Treasurer.

SCHEDULE I.

1927			
March 10	Balance	$11,431.35	
31	Interest	31.86	
			$11,449.71

SCHEDULE II.

April 7	Wm. S. Levins	$83.33	
	Richard S. Earl	83.33	
	H. J. Stanley	83.33	
	Edward Hornbeck	83.33	
	Wellington Campbell	83.33	
	Thomas L. Raymond	83.33	
	Henry Biringer	83.33	
	E. M. Barradale	83.33	
	O. O. Oaks	83.33	
	Ambrose Kline	83.33	
	Frank A. O'Connor	83.33	
	Edward S. Rankin	291.66	
	Richard S. Earl	208.33	
	S. H. Rollinson	208.33	
	Wm. S. Dassing	50.00	
	Edward S. Rankin	3.92	$2,678.87
	Edward S. Rankin	500.00	
	Wm. S. Kleinhaus	500.00	
		Cash on Hand	$8,770.84

The Engineer made a verbal report on the progress being made in acquiring rights-of-way. Mr. Hornbeck brought up the question of a right-of-way through the Lewitt property in Maplewood. Mr. Potter recommended that this right-of-way be purchased for $1,000.00.

The following resolution prepared by the Counsel and the Engineer was then presented and carried on roll call.

"Resolved, that the Joint Meeting do determine to acquire an easement on either side of the following described line:

"Beginning on the north side of the north sidewalk of Millburn Avenue 4½ feet west of the line petween property of Abram W. Lewitt and Stephen Ferina in the Township of Maplewood, thence in a northerly direction and approximately parallel to the property line just described for a distance of 162.6 feet, thence by an exterior angle of 222° 48' a distance of 90.4 feet to the land of Edward and Clement Brown. Across the above-described center line a permanent easement 15 feet wide is required excepting at the front of the property an easement of 11 feet wide is required for a depth of 50 feet. During the construction of the sewer a temporary easement of an additional 50 foot width is required over that part of the property that does not interfere with the use of the building.

"The price to be paid for this easement is $253, with an additional allowance of $747 for special damages tor that portion of the front of the property that might be injured by reason of the existence of the sewer."

The Secretary brought up the matter of compensation for stenographic and bookkeeping work. After some discussion, it was laid over until next week.

The Secretary also stated that the printer who had been printing the minutes for the last twelve years was retiring from business. He said that in the short time since he learned of this he had succeeded in getting two bids from Newark printers, both of which were very much in excess of the present prices. After some discussion, it was suggested that each member endeavor to secure a bid from a printer in his own municipality.

Mr. Pringle informally discussed the question of the paper streets running through the Leavitt and Bauer tract, and said that he would make a formal report on the matter at a future date.

The following bill was presented and, on roll call, ordered paid after being approved by the Auditing Committee:

Voucher
No. 186 Weibezahl Print, Printing Minutes $69.00

On motion, the meeting adjourned at 3:45 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of April 21, 1927.

(Construction)

A meeting of the Joint Meeting for construction was held in the Newark City Hall on the above date at 3 P. M. Mayor Rollinson in the chair and all municipalities present except Newark and West Orange.

On motion the minutes of the last meeting were approved as printed.

The Engineer being absent, the Secretary read his report—

APRIL 21, 1927.

To The
JOINT MEETING:

Gentlemen:

The City of Elizabeth has been anxious for the Joint Meeting to submit its contract covering the right to pass through Elizabeth.

Mr. E. R. Nugent, the City Attorney, has been engaged in valuation work, but it seemed desirable that a conference be held with the city officials at Elizabeth at the earliest possible moment and the date happened to fall on the day of the session of the Joint Meeting, so that Mr. Pringle and your engineer will meet the Board of Public Works at 2 o'clock this afternoon and we will endeavor to get throught with our conference in time to return to the Joint Meeting.

Mr. Kline reports that progress has been made in securing the rights of way on Section 3 through Union Township, where Mr. Zahnbauer, the agent recommended by Mr. Kline, has been working on the theory that the landowners should place a road over the Joint Trunk Sewer, and he has succeeded in securing a very large percentage of these rights without any cost to the Joint Meeting. This being the case, there is no reason why work on Section 3 cannot be advertised forthwith.

In regard to Section 5, while the rights of way have not been definitely procured, it is my judgment that sufficient rights of way have been secured to justify the advertising for bids, on this section, as well.

On Section 4, the securing of certain rights of way that might make a suggested change desirable has not been concluded; consequently no recommendation can be made as to the immediate advertising for bids on this section, but this should follow within a week or two.

Respectfully submitted,
ALEXANDER POTTER

On motion the report of the Engineer was received and ordered printed.

Taking up his recommendations—Moved that bids be advertised for for the construction of Section 3, to be received on Thursday, May 19th, at 3 P. M. Daylight Saving Time at this office. Carried on roll call.

Moved that bids be advertised for for the construction of Section 5, to be received at this office on Thursday, May 19th, at 3 P. M. Daylight Saving Time. Carried on roll call.

Mr. Thomas O'Connor reported on Elizabeth rights of way, particularly with reference to the American Type Founders Co. and the Lidgerwood Co., both of which were progressing favorably.

The Secretary read the list of bids received for printing the minutes. Moved that the work be awarded to the Kemp Press, they being the lowest bidders at the price of $2.25 per page for 175 Copies. Carried on roll call.

On motion the meeting adjourned at 3:30 P. M. to meet next Thursday afternoon.

EDWARD S. RANKIN,
Secretary

Joint Meeting of April 28, 1927.

(Construction)

A meeting of the Joint Meeting for construction was held in the Newark City Hall on the above date at 3 P. M. Mayor Rollinson in the chair and all municipatities present except Newark, Roselle Park and South Orange.

On motion the minutes of the last meeting were approved as printed. Mr. O'Connor stated that the Lidgerwood people had begun building on their property in Elizabeth and it might be necessary to relocate our line. He expected to arrange with the American Type Founders Co. on Friday. Progress was being made on the other properties.

Mr. Martin stated that he had eight owners ready to sign up. He presented a letter from the Cemetary Association stating on what terms they would grant a right of way. On recommendation of Counsel the following resolution was presented and passed on roll call.

Resolved that the Joint Meeting do determine to acquire an easement through a part of the Clinton Cemetery Association grounds and to purchase a further strip through the same property on the terms and conditions agreed upon. Carried on roll call.

Note: The decription of the property to be acquired together with the terms will appear in the minutes of the next meeting.

Mr. Potter presented the following report which on motion was received and ordered printed.

To The
JOINT MEETING:

Gentlemen:

I submit herewith plans and specifications of Section 5. These are drawn substantially along the lines of the general specifications and contract approved by the Joint Meeting when they were submitted to the State Department of Health. Since the submission of these general plans and specifications for the sewers and sewage disposal plant, certain modifications and additions have been requested by the State De-

partment of Health which have been incorporated in the general specifications, and for the purpose of better co-ordination of the various clauses, there has been some re-arrangement made of the specifications.

The provisions in the contract and specifications follow along the lines of the provisions that have appeared in the sewer contracts that have been executed by municipalities on work under the supervision of your engineer for many years, and as a matter of fact, the fundamentals were based upon the orginal Joint Trunk Sewer specifications.

I wish to call your attention to a provision that has been inserted in the Notice to Bidders, in reference to investigating the standing and qualifications of prospective bidders before plans and specifications are issued to them. The right to do this is based upon a law which has within the last week been called to my attention, passed by the New Jersey Legislature in 1926; it is contained in Chapter 180, pp 301-302.

Our experience at Hillside justifies, in my opinion, the inclusion of this provision in the Notice to Bidders. The low bidder on each section at Hillside is a contractor who has never before been put in responsible charge of work of such magnitude; in both instances, however, they were able to furnish a bond of a reliable insurance company. The bids submitted were $110,000 below the engineer's estimate, and in my opinion the Committee would have better served the interests of their municipality and conferred a favor upon the low bidders by refusing to issue plans and specifications to them, for no matter how willing a contractor may be to execute a contract for a price below its value, no good purpose can be accomplished by entering into a contract at a price substantially less than its worth.

In the general specifications submitted, the description of all material likely to be used in the work was set forth in detail. This included the use of segmental vitrified block sewers and segmental concrete block sewers. The reason for the suggested use of segmental block pipe was that the advocates of this material claimed that it was freer from disintegration due to the sewer gases or acids in the sewer which would affect the walls of the sewer if constructed with concrete. While it is undoubtedly true that the vitrified clay surface presents a surface less liable to effect from acids, it is also true that even under reasonable care it is impossible

to keep leakage in such a sewer down to reasonable limits even though this sewer should be surrounded with concrete, unless the concrete envelope is of such a rich mixture that it will cost as much or more than the segmental block sewer. While this segmental block construction offers an ideal method of sewer construction in a ground that is dry and not subject to the effect of outside water pressure (as the vast majority of our sewer work is either pressure lines or where we will encounter water in the ditches), I have excluded it from use on Section 5.

I have given considerable attention during the last six months to an examination of the criticisms that have been raised against the use of reinforced concrete pipe. It is undoubtedly true that there has been certain disintergration in concrete pipe, but I have failed to find any cases where concrete pipe made of a richer mixture by a reliable manufacturer has shown any tendency to disintergrate. To make it doubly sure, I have modified the specifications to call for a richer mix than was orginally intended. Instead of having a concrete of 1:2:4 mix, I have modified the specifications to call for a mix of 1½:2½. This naturally increases the cement content of the pipe and will add about 25 cents per foot to the cost of the sewer.

There has been a paragraph added to the contract to the effect that the Joint Meeting reserves the right to put a part of the sewer in service without releasing the contractor from obligations under the contract to complete the entire work in a satisfactory manner.

There has also been added to the specifications a clause covering the use of pressure pipes on such sections of the sewer as lie below the grade line.

A paragraph has also been inserted in the specifications prohibiting the contractor from assigning his contract or moneys under it, without the consent of the Joint Meeting.

We have also graded the excavation into four classes, as opposed to three classes as originally suggested. This will make for lower prices, for it eliminates the hazard on the part of the contractor to a greater extent.

I beg to report that last Thursday afternoon I accompanied Mr. Pringle, counsel for the Joint Meeting, to Elizabeth and had a conference with the Elizabeth Board of

Public Works and the City Engineer. Outside of a general discussion upon the project as a whole, nothing of a definite nature was arrived at, the engineer holding that before committing himself with the Board he was desirous of submitting the plans to the City's consulting engineer, Mr. James H. Fuertes, and they were insistent upon the Joint Meeting paying the fee of Mr. Fuertes for this examination. In answer to an argument on the part of both M. Pringle and myself that this fee should come out of the cash payment made to Elizabeth, they stated that his cash payment when made would be paid to the City of Elizabeth and not to the Board of Public Works and that an appropriation would have to be set aside to cover the fee of the engineer. This, they said, would take considerable time and discussion, and consequently they thought that it was to the best interests of the Joint Meeting that it assume obligation for this fee to the consulting engineer. The sum of $2,000 was suggested by Mr. Collins as being a maximum figure to cover the cost of this fee. Both Mr. Pringle and myself assured the Board that while we had no authority to act in the premises, we would recommend to the Joint Meeting the acceptance of this suggestion, and I would so recommend.

Very truly yours,

ALEXANDER POTTER

Moved that the Engineer be authorized to follow the provisions of Chapter 180 of the Laws of 1896 in advertising for bids. Carried on roll call.

Moved that on Section 5 the form of construction be limited to reinforced concrete pipe for sizes of 27 inch over and that on sizes of 24 inch and under alternate bids be received for vitrified and cement-concrete pipe. Carried on roll call.

Moved that the clause permitting the use of parts of the sewer before its entire completion be approved. Carried on roll call.

Moved that the clause prohibiting the assignment of the contract or moneys due the conractor without the consent of the Joint Meeting be approved. Carried on roll call.

Moved that bids be received on classified material and on the unit basis. Carried on roll call.

Moved that the Engineer be authorized to insert in the con-

tract a clause which will permit him to collect from the contractor for time in excess of that specified, said clause to be framed and approved by Cousel. Carried on roll call.

Moved that the motion passed April 21st directing bids to be advertised for May 19th be rescinded. Carried on roll call.

Moved that it is the sence of this meeting that each Section be advertised for separately. Carried.

Moved that the Engineer and Counsel place in the hands of each member of the Executive Committee a copy of the contract at the earliest possible date. Carried on roll call.

Mr. Kline stated that 8000 feet of right of way in Union had been secured at the price of one dollar per running foot.

On motion the meeting adjourned at 4:30 P. M. to meet next Thursday.

Edward S. Rankin
Secretary

Joint Meeting of May 5, 1927.

(Construction)

A meeting of the Joint Meeting for construction was held in the Newark City Hall on the above date at 3 P. M., all municipalities being represented except Newark, Roselle Park and Summit. Mayor Rollinson in the chair.

The Counsel reported on the proposed contract for Section 5, with particular reference to the clause relating to over-time.

It was moved that the Secreatry be authorized to take bids for printing the proposed contract. The basis on which bids are to be compared to be 25 copies first page proof, 25 copies second page proof and 250 copies final printing, and the rate per hour for author's corrections. Also bids for 100 copies of specifications for Section 5. Carried on roll call.

Moved that the Engineer be authorized to have prepared sufficient blue print copies of the contract and specifications for Section 5 to be distributed among the members of the Joint Meeting. Carried on roll call.

The Engineer made a verbal report on the conference with Mr Fuertes' assistant regarding the cost of the investigation for Elizabeth. He also reported progress on rights of way. He again brought up the matter of the Daniels' bill and recommended that it be paid. It was moved and carried on roll call that this matter be referred to the Finance Committee.

The following bills were read and on roll call referred to the Finance Committee and ordered paid if found correct:

Voucher	Name		
187	Wm. S. Levins	Executive Committee	$83.33
188	Richard S. Earl	"	83.33
189	H. J. Stanley	"	83.33
190	Edward Hornbeck	"	83.33
191	Wellington Campbell	"	83.33
192	Thomas L. Raymond	"	83.33
193	Henry Biringer	"	83.33
194	E. M. Barradale	"	83.33
195	O. O. Oaks	"	83.33
196	Ambrose B. Kline	"	83.33

197	Frank A. O'Connor	"	83.33
198	Edward S. Rankin	Salary	291.66
199	Richard S. Earl	"	208.33
200	S. H. Rollinson	"	208.33
201	Weibezahl Print	Printing	12.00
202	Kemp Press	"	15.75
203	Edward S. Rankin	Misc. Expense	3.37

The following is a description of the right of way through the Clinton Cemetery Association lands and the terms and conditions under which it can be acquired in accordance with the resolution passed at the last meeting:

BEGINNING at a point on the southerly property line of the Clinton Cemetery Association, in the plot previously owned by Henry Bader and denoted as Station 72 x 19 of Section 5, approximately 108 feet to a point between the property previously owned by Henry Bader and the property of the Clinton Cemetery Association, continuing about 273 feet to an angle point; thence with the exterior angle of 219° 39' to the right for a distance of opproximately 236 feet; thence at an angle of 169° 36' to the right for a distance of approximately 176 feet; thence at an angle of 169° 30' to the right for a distance of approximately 268 feet to the northerly property line, said property line being the boundary between the Clinton Cemetery Association and the property now or formerly owned by Lewis W. Hunter, the last 15 feet of which described property crosses the existing right of way of the Joint Meeting extending from Union Avenue to the Elizabeth River, all of which is shown upon the plan herewith—one designated the Henry Bader property; the other designated the Clinton Cemetery Association.

Across the above-described property the Joint Meeting acquires a strip of land about 20 feet in width, said land being 10 feet on either side of the center line above described and the following existing driveway. That portion of the right of way across the Bader tract, the Joint Meeting owns in fee simple.

Where available, an additional 50 feet to the south and east of the above described right of way is to be leased for the purpose of facilitating the construction of the sewer.

Surplus material to be placed upon the Bader property and the Hunter property not covered by this description,

which latter property is not owned by the Clinton Cemetery Association but is under their control.

The access lease will cover a period of one year from the time of beginning construction on this property.

All material will be delivered by the use of the strip leased for obtaining access to the construction.

The roads of the Cemetery from Union Avenue will not be used for the transportation of material, except with the consent of the Clinton Cemetery Association.

Upon completion of the sewer, the earth will be replaced and well tamped so that the surface will be substanially in the condition in which it was found.

No dirt or other material will be placed outside of the right of way and the territory covered by the access lease.

Storage of the material will be confined to the Bader property.

Should any cave-ins, depressions or the like occur on Riverside Drive, resulting from the proposed construction, the Joint Meeting will repair the Drive and put it in the same condition as it was before work started; such repair to be done within three days after receiving notice from the Board of Managers of the Clinton Cemetery Association.

If possible, one-half of the section will be completed at one time and the contractor will be instructed to co-operate with the Cemetery authorities, to the end that the grounds will be kept in a presentable condition and to obstruct these grounds as little as possible.

No blasting is to be done on this section of the sewer.

The price to be paid for this property is $640.00 for that portion of the Cemetery Association land known as the Bader property; and $1.00 per running foot for the 953 feet across the Cemetery Association property.

On motion the meeting adjourned at 4 P. M.

Edward S. Rankin,
Secretary.

Joint Meeting of May 12, 1927.

(Maintenance)

A meeting of the Joint Meeting for Maintenance was held on the above date at the Newark City Hall at 3 p. m.

Present: South Orange, Millburn, Summit, and West Orange.

Dr. Campbell in the chair.

The Engineer and Inspectors were also present.

On roll call the minutes of the previous meeting were approved as printed.

Engineer Potter reported that along the river and along the lines of the Joint Sewer, the owners of adjoining lands were filling in the same and covering the manholes. He stated that Mr. Riker had ruled that the owners ought to pay the cost of raising these manholes to the new grade, but that it is almost impossible to get them to do so. As several have already been covered he recommended that something ought to be done. After some discussion the matter was laid over until the next meeting.

The Engineer also reported that Mr. Sandford has trouble in getting Mr. Keating on the telephone due to Mr. Keating having a party line. It was moved and on roll call carried that a straight line be installed, the difference in cost to be paid by the Joint Meeting.

The Treasurer presented the following report which on motion was received and ordered printed.

To the Various Municipalities Comprising
the Joint Sewer Meeting:

Gentlemen:-

The Treasurer respectfully reports that on the 17th day of March, 1927, the date of his last report, he had on deposit in the Orange National Bank, the sum of $2,385.64, with warrants outstanding aggregating $17.00, so that the total amount of cash on hand at the date of that report was the sum of $2,368.64.

The Treasurer further reports that since the date of his last report he has deposited in the Orange National Bank, the sum of $40.00, and has been allowed interest by said Bank to the amount of $12.54, as shown on Schedule 1 hereunto annexed.

The Treasurer further reports that since the date of his last report he has executed warrants, as shown on Schedule 11 hereunto annexed, amounting to $1,280.15, so that the total amount of cash on hand at the date of this report is the sum of $1,141.03, with warrants Nos. 3372 and 3383, totaling $17. still outstanding, so that the Treasurer has on deposit in the Orange National Bank the sum of $1,158.03.

All of which is respectfully submitted, this Twelfth day of May, 1927.

Simeon H. Rollinson
Treasurer

SCHEDULE 1

3/17/27—CASH ON HAND		$ 2,368.64
DEPOSITS:		
Mar. 24—Tap Fee, Irvington	$10.00	
31— " "	10.00	
Apr. 17— " " Roselle	10.00	
29 " "	10.00	
		40.00
May 12—Interest allowed by Bank		12.54
		$2,421.18

SCHEDULE 11

Mar 17—Weibezahl Print	No.	3466..	$ 12.00
Flockhart Foundry,		3467..	37.00
Lenape Hydraulic Co.		3468..	24.00
C. W. Sandford,		3469..	6.92
C. W. Sandford,		3470..	26.75
E. S. Rankin Secy.		3471..	36.00
Alexander Potter,		3472..	83.33
C. W. Sandford,		3473..	225.00
J. J. Keating		3474..	200.00
E. S. Rankin		3475..	29.16
S. H. Rollinson,		3476..	62.50
Apr. 30—Alexander Potter,		3477..	83.33
C. W. Sandford,		3478..	225.00
J. J. Keating,		3479..	200.00
E. S. Rankin,		3480..	29.16
			$1,280.15

BALANCE, CASH ON HAND, MAY 12, 1927....$ 1,141.03

The Secretary presented the report of the Federal Audit Company of the audit of books, together with his reply to the various items contained therein.

March 15th, 1927.

Joint Sewer Commission,
Newark, N. J.

Gentlemen:-

Pursuant to the instructions of your Mr. Edward S. Rankin, we have audited your books and records for the periol of June 1, 1925 to December 31, 1926 inclusive and as a summary of same we attach hereto the following Exhibits:

EXHIBIT A
BALANCE SHEETS AS OF DECEMBER 31, 1925 AND DECEMBER 31, 1926

EXHIBIT B
RECEIPTS AND DISBURSEMENTS FOR PERIOD OF JUNE 1, 1925 TO DECEMBER 31, 1926.

We have verified the assessments and other revenue, and all disbursements and reconciled the cash balance with the statement of the Depository and found same in accordance therewith.

All warrants drawn during the period under review were verified with the authorization as entered in the minute book and found in agreement with the exception of Warrant No. 3333 to the order of Weibezahl Print Co. which was drawn for $47.00 and paid as such but entered in your minutes of the meeting held on December 17, 1925 as being for $27.00.

Vouchers Nos. 3303, 3358 and 3383 are missing.

Vouchers Nos. 3338 to 3361; 3378-3379; 3392 to 3399 and 3426 to 3445 were signed by two members of the Auditing Committee only.

Warrant No. 3391 was not signed by your Chairman and should be attended to.

All other Vouchers and Warrants were properly signed.

Respectfully submitted,
FEDERAL AUDIT CO., Inc.
By A. J. Herriger, President
Certified Public Accountants (N. C.)

JOINT SEWER COMMISSION

BALANCE SHEET
AS OF DECEMBER 31, 1925 AND DECEMBER 31, 1926

EXHIBIT "A"

ASSETS

	December 31 1925	December 31 1926
Cash in Bank	$ 599.55	$ 1,648.78
Cash on Hand	150.00	150.00
Total Assets	$749.55	$1,798.78

LIABILITIES

Surplus in Maintenance Account	$ 749.55	$ 1,798.78
Total Liabilities	$ 749.55	$ 1,798.78

JOINT SEWER COMMISSION

RECEIPTS AND DISBURSEMENTS FOR PERIOD JUNE 1, 1926 TO JANUARY 1, 1927.

RECEIPTS

ASSESSMENTS	2nd Half 1925	1926
Irvington	$ 600.00	$ 1,200.00
Milburn	600.00	1,200.00
Newark	1,200.00	2,400.00
South Orange	600.00	1,200.00
Summit	600.00	1,200.00
West Orange	600.00	1,200.00
Interest	4.46	41.95
Tap Fees	80.00	70.00
Reimbursement from Construction Dept.	....	619.50
Total Receipts	$4,284.46	$9,131.45
Balance beginning of period	2,376.96	599.55
Totals	$6,661.42	$9,731.00

DISBURSEMENTS

Chief Inspectors Salary	$1,400.00	$2,400.00
Ass't Inspectors Salary	1,050.00	1,800.00
Engineer's Salary	583.35	1,000.00
Treasurer's Salary	187.50	250.00
Secretary's Salary	246.20	386.00
Executive Committee Salary	325.00	330.00
Chief Inspector's Auto Expense	227.32	205.33
Chief Inspector's Expense	14.98	24.93
Ass't Inspector's Expense	4.20	4.64
Secretary's Expense	1.55	3.00
Printing Minutes	104.00	114.00
Stationery & Printing Reports	..	26.00
Telephone	50.62	113.77
Charts	..	4.00
Insurance	190.66	202.20
Materials	438.89	337.25
Labor	248.00	150.00
Sundries	128.80	111.60
Advances for Construction Dept.	..	619.50
Refund on Taps	10.00	....
Legal and Auditing	850.00	....
Total Disbursements	$6,061.87	$8,082.22
Balance close of period	599.55	1,648.78

JOINT MEETING:

Gentlemen:

Answering the criticisms in the report of the Federal Audit Co. I beg to make the following statement:—Warrant No. 3333 the report says "was drawn for $47.00 and paid as such but entered in your minutes of the meeting of December 17th, 1925 as being for $27.00." A reference to the minutes of that date shows that it is there entered as $47.00.

Voucher 3383 reported as missing was evidently lost in the mails as the warrant was never cashed. At the meeting of January 8th, 1927 this warrant was ordered cancelled and a duplicate issued.

A number of vouchers are reported as having only two signatures of the Finance Committee. Mr. Riker at one time ruled that two were sufficient.

Warrant No. 3391 reported as unsigned by the Chairman has since been signed.

Respectfully,
Edward S. Rankin,
Secretary

Mr. Barradale moved that the report be received and printed together with the Secretary's statement reconciling the points raised. Carried on roll call.

The following resolution was introduced and carried on roll call. 4 ayes no noes.

RESOLVED: That the several Municipalities do raise and pay to the Treasurer of the Joint Meeting the sum of $2275 which shall be assessed upon the Joint Municipalities in the proportion fixed by the contract between the several Municipalities as provided for the care and maintenanec of the Joint Sewer, i. e., each Municipality paying an equal amount or one-seventh of such assessment (excepting the City of Newark, which shall pay two-sevenths, or one-seventh for Newark and one-seventh for Vailsburg), and further that the Secretary be directed to notify the various Municipalities of such assessment and the proportion to be paid by each; and be it further

RESOLVED: That the said monies be paid to the Treasurer of the Joint Meeting within twenty days of the 12th day of May, 1927.

This is the assessment for the 2nd quarter of 1927.

The following bills were read and on motion referred to the Auditing Committee and if found correct, ordered paid. Carried 4 ayes, no noes.

Alex. Potter	April Salary	83.33
C. W. Sandford	"	225.00
J. J. Keating	"	200.00
E. S. Rankin	"	29.16
New York Tel. Co.	Service	27.75
C. W. Sandford	Auto Expense	21.30
H. Weibezahl	Printing Minutes	9.00
J. R. Franke	Auto Insurance	87.20
J. J. Keating	Expense Account	5.99
John R. Franke	Auto Insurance	3.97
Fred. W. Fort, Jr.	Compensation Ins.	99.00
E. S. Rankin, Sec'y.	Petty Cash	24.00
Federal Audit Co.	Audit of Books	100.00

On motion the meeting adjourned at 3:15 P. M. subject to the call of the Chair.

Edward S. Rankin,
Secretary

(Construction)

The meeting for construction was called to order by Mayor Rollinson at 3:15 P. M. all municipalities being representated except Irvington and Newark.

On motion the minutes of the meetings of April 28 and May 5th were approved as printed.

The Engineer presented the following report which on motion was received and ordered printed:

To The
Joint Meeting:

Gentlemen:

I beg to report that I have had a conference with Mr. Thomas E. Collins, City Engineer of Elizabeth in reference to the submission of plans for the Supplementary Joint Trunk Sewer through Elizabeth, and with Mr. James H. Fuertes, the consulting engineer of Elizabeth. Mr. Fuertes has gone over these plans with Mr. Collins, and Mr Collins has requested a conference with me the early part of next week to take up the consideration of the terms of the contract between the Joint Meeting and the City of Elizabeth. While nothing was said about it, I presume that the counsel for the Joint Meeting should attend such conference and I will advise him of the exact date when it is to be held.

Acting under the resolution of the Joint Meeting, 15 copies of the specifications and form of contract were blueprinted and transmitted to the representatives of the Joint Meeting. I am enclosing a copy of the bill from the blueprinter for this work.

Work upon the preparation of all contracts and specifications is held up pending the approval of the Joint Meeting to the contract now before you for your consideration.

Progress has been made in securing rights of way, and I presume that the reports from the various rights-of-way agents will be submitted direct by them.

Respectfully submitted,

Alexander Potter

Moved that Counsel be requested to be present at the Elizabeth conference. Carried.

Moved that the bill for blue-printing be referred to the auditing committee and paid if found correct. Carried on roll call.

The Secretary read the bids for printing the contract and specifications. Moved that the work be awarded to the lowest bidder, the South Orange Record. Carried on roll call.

Moved that a committee of three be appointed, together with the counsel and Engineer, on the printing of the contract and specifications, the committee to get the contract and specifications in proper form for printing and report at the next meeting, but with authority to have so much of it set up as may seem expedient. Carried on roll call. The Chair appointed Messrs. Barradale, Stanley and Earl as the committee.

For the Right of Way Committee, Mr. Barradale reported that Messers. Redfern and Sauer were negotiating with the Lackawanna railroad. Messers Kline and Hornbeck reported progress. Mr. O' Connor said that he was taking up with McKim & Johnson the question of a right of way through their property instead of the Lidgerwood property which it adjoins. This and other negotiations were progressing favorably.

Dr. Campbell reported that the Finance Committee would recommend that the Daniel's bill be not paid. Mr. Potter read correspondence on the matter between himself and Mr. Daniels. On motion the matter was referred back to the Finance Committee, the Secretary and the Counsel, Counsel to communicate with Mr. Daniels.

The Treasurer presented the following report which on motion was received and ordered printed.

May 12th, 1927.

To The Various Municipalities Comprising

The Joint Meeting.

Gentlemen:

The Treasurer respectfully reports that on the 14th day of April, 1927 the date of his last report, he had on deposit in The Hillside National Bank, the sum of $8,770.84.

The Treasurer further reports that he was allowed the sum of $16.44 interest, so that the total amount of cash on hand was the sum of $8,787.28, as shown on Schedule 1, hereunto annexed.

The Treasurer further reports that since the date of his last report he has executed warrants as shown on Schedule 11, hereunto annexed, amounting to $1,725.07, so that the total amount of cash on hand to date is $7,062.21.

All of which is respectfully submitted this twelfth day of May, 1927.

Richard S. Earl,
Treasurer

SCHEDULE 1

1927			
April 14	—Balance	$8,770.84	
30	—Interest	16.44	
			$8,787.28

SCHEDULE 11

April 14	—Weibezahl Print	$ 69.00
	Wm. S. Levins	83.33
	Richard S. Earl	83.33
	H. J. Stanley	83.33
	Edward Hornbeck	83.33
	Wellington Campbell	83.33
	Thomas L. Raymond	83.33
	Henry Biringer	83.33
	E. M. Barradale	83.33
	O. O. Oaks	83.33
	Ambrose B. Kline	83.33
	Frank A. O'Connor	83.33
	Edward S. Rankin	291.66
	Richard S. Earl	208.33

S. H. Rollinson	208.33	
Weibezahl Print	12.00	
Kemp Press	15.75	
Edward S. Rankin	3.37	
	$1,725.07	
Cash on Hand		$7,062.21

On motion the meeting adjourned at 3:50 P. M. to meet next week.

Edward S. Rankin
Secretary

Joint Meeting of May 19, 1927.

(Construction)

A meeting of the Joint Meeting was held on the above date at the Newark City Hall at 3 P. M., Mayor Rollinson in the chair and all municipalities present except Newark and Roselle Park.

On motion the minutes of the last meeting were approved as printed.

Mr. Potter presented the following report which on motion was received and ordered printed.

To the
JOINT MEETING:

Gentlemen:

Pursuant to an agreement with Mr. Thomas E. Collins, City Engineer of Elizabeth, Mr. Pringle and I had a conference with him on Tuesday afternoon.

At this conference Mr. Collins had with him the report of the City's consulting engineer, Mr. James H. Fuertes,, which report was discussed at length at the time.. In his report Mr. Fuertes makes a number of suggestions; some of these it is possible for us to acquiesce in, and on others I believe that we can get Mr. Fuertes to come to our viewpoint. We have not yet been furnished with an official copy of the report, but Mr. Collins has promised this within a day or two.

Mr. Collins has fixed Thursday, May 26th, for a conference with the Board, but as this falls on the day of the Joint Meeting, an effort will be made to change the appointment to some other day.

It is to be hoped that prompt action will be taken upon the specifications and contract, for each month that the work is now delayed means that the contractor's bids will, in my opinion, be materially increased, as well as prices for material as manufacturers load up on work.

I enclose herewith a bill from the Associated General Contractors of America, amount $12.00, covering 100 copies of Standard Questionaires to be submitted to the Contractors with the specifications. A copy of this form is

submitted for the files of the Joint Meeting.

Respectfully submitted,

ALEXANDER POTTER.

Moved that the bill for the questionaires be referred to the Finance Committee and paid if found correct. Carried on roll call.

For the Printing Committee, Mr. Barradale reported that the committee had held three meetings and the latter was now in shape for the printer unless some of the members had further suggestions. The point was raised about paying a bonus for work completed ahead of time and also for extra payment to the Engineer in case of overtime. These matters will be considered further by the committee.

Moved that the Secretary be authorized to send to the printer for first page proof the contract and specifications as now corrected. Carried on roll call.

For the Right of way Committee, Mr. O'Connor reported that McKim and Johnson will permit the sewer to go through their property for $650 or approximately one dollar per foot provided they can retain the use of the surface.

Resolved that the Joint Meeting do determine to acquire an easement through the property of McKim & Johnson on the terms and conditions agreed upon. Carried on roll call. Note: The description of the right of way together with the terms and conditions will be printed in the minutes of the next meeting.

Mr. Potter brought up the question of securing a right of way through the City of Linden and also through the Borough of Roselle.

Moved that the Counsel and Engineer be authorized to take up the question of a right of way with the City of Linden. Carried on roll call.

Moved ttha the Counsel and Engineer be authorized to take up the question of a right of way with the Borough of Roselle. Carried on roll call.

Mr. Sauer reported that the Pierson, Hicks and Brown properties in Maplewood were all leased to the Country Club and that the owners asked $2.50 per foot for the right of way based on the frontage on proposed streets. Also that the Country Club estimated their damage at $20,000.

Moved that the Engineer be asked to modify his plans so as to avoid this large expense. Carried on roll call.

Moved that when we adjourn we adjourn to meet next Wednesday at 3 P. M. Carried on roll call.

Moved that the Secretary be authorized and directed to have a seal made for the Joint Meeitng to read "Joint Meeting, New Jersey." Carried on roll call.

The bill for blue printing the contract and specifications presented at the last meeting was approved and signed by the proper officers.

Voucher No. 204 Louis Frey Co., Blue Printing, $66.60.

On motion the meeting adjourned at 3:55 P. M.

Edward S. Rankin
Secretary

Joint Meeting of May 25, 1927.

(Construction)

A meeting of the Joint Meeting for construction was held in the Newark City Hall on the above date at 3 P. M., Mayor Rollinson in the Chair and all municipalities represented except East Orange, Newark and Summit.

On motion the minutes of the last meeting were approved as printed.

Counsel reported that the Kleinhaus title would be closed on June 8.

The Engineer made a verbal report and presented the form for advertising for bids.

Sealed proposals will be received for the construction of Section V of a Supplementary Joint Trunk Sewer for certain municipalities in the Counties of Essex and Union, New Jersey, as follows:

City of East Orange
Township of Hillside
Town of Irvington
Township of Maplewood
Township of Millburn
City of Newark
Borough of Roselle Park
Village of South Orange
City of Summit
Township of Union
Town of West Orange

Proposals will be received at the City Hall, Newark, New Jersey, Room 201 at 1:00 P. M. (Eastern Standard Time), on Thursday, June 23, 1927, at which time they will be publicly opened and read.

The proposed sewer, known as Section V, will be on a portion of Union Avenue, Township of Union, and will follow up the valley of the east branch of the Elizabeth River through Irvington to the Newark line. There are also four branches—one extending through the Vailsburg district of Newark to the East Orange line, another westerly along a

portion of South Orange Avenue, a third on Lyons Avenue, and a fourth on Augusta and other streets to the Newark City Line.

The contract includes, among other items, the following approximate quantities:

59,000 cu. yds. Excavation of various classes
2.8 miles of Reinforced Concrete Sewers of sizes varying from 27" to 42".
4,330 feet 42" Reinforced Concrete Pressure Pipe.
3.4 miles Vitrified Tile or Reinforced Concrete Sewers of sizes varying from 12" to 24"
together with the usual necessary appurtenances.

Plans and specifications may be seen at the office of the Engineer, Alexander Potter, 50 Church St., New York and at the office of the Secretary of the Joint Meeting, City Hall, Newark, New Jersey.

Bidders are notified that under Chapter 180 of the Laws of 1926, State of New Jersey, they will be required to furnish a standard form of questionaire and financial statement containing a complete statement of the person's financial ability and experience in performing public work before such person can be supplied with plans and specifications. Blank forms of the questionaire can be obtained at the office of the engineer, and of the Secretary of the Joint Meeting. Unless refused because the statement is unsatisfactory, plans and specifications may be obtained at the office of the said engineer upon the payment of the sum of twenty-five dollars ($25.00), which sum will be refunded to those who submit bona fide proposals and return the plans and specifications in good order.

Each bid shall be accompanied by a certified check for approximately 5% of the amount of the proposal, and a bidder's bond.

The Joint Meeting reserves the right to reject any or all proposals and to accept that one which, in its judgment, best serves the interests of of the contracting municipalities.

By order of the Joint Meeting,

ALEXANDER POTTER
Consulting Engineer

SIMEON H. ROLLINSON,
Chairman

E. S. RANKIN
Secretary

The Engineer also said that he had been over the estimated cost of restoring the golf links and did not think it should exceed $5000.

The Secretary presented the bill for the questionaires which was referred to the Finance Committee last week. On their recommendation it was moved that the bill be paid. Carried on roll call.

Voucher No. 205, Joint Conference on Construction Practices $12.00

The Secretary presented proofs of so much of the specifications as had been printed. On motion they were referred to the Printing Committee for examination and report. Carried on roll call.

Moved that the form for advertising presented by the Engineer with amendments be approved and incorporated in the minutes. Carried on roll call.

Moved that authority be given to advertise for bids, same to be received on June 23d. Carried on roll call.

Moved that the advertisement be inserted once a week for three weeks in the Newark Evening News and the Elizabeth Daily Journal, also three times in the Engineering News-Record and in one other Engineering Journal to be selected. Carried on roll call.

On motion the meeting adjourned at 3:55 P. M.

Edward S. Rankin,

Secretary

Joint Meeting of June 2, 1927.

(Construction)

A meeting of the Joint Meeting was held in the Newark City Hall on the above date at three p. m.; Mayor Rollinson in the chair and all municipalities represented except Newark and West Orange.

On motion the minutes of the last meeting were approved as printed.

Counsel reported that the Kleinhaus title would be closed on June 8th, and that he would require $3100. Moved that the Secretary be authorized to draw a check for this amount. Carried on roll call.

The Chairman read a letter from Dr. Costill regarding the Daniels matter. On motion this was referred to the Auditing Committee.

Mr. O'Connor presented an option for a right of way through the property of the American Type Founders' Company which was referred to the Counsel and Engineer.

Moved that the Engineer be instructed to amend his plans from Allen Street to Watson Street in Elizabeth so as to avoid crossing private property. Carried on roll call.

Moved that the Engineer be authorized to change the line of the sewer from the Lidgerwood property to the property of McKim and Johnson, the change to extend from Edgar Road to Fay Avenue. Carried. on roll call.

Mr. Potter stated that he had spent this morning with the chairman of the Maplewood Country Club. The Club are asking $21,800 for the privilege of crossing their property and restoring it to proper condition. They are asking that the Joint Meeting put up a bond in the amount of $20,000 to guarantee the restoration of the ground and also $10,000 in cash. No action was taken.

Mr. Potter also presented the first page proof of the contract and specifications. It was moved that the damage clause stand as printed and that Counsel be directed to submit a written opinion as to whether a bonus clause should be inserted. Carried on roll call.

Moved that the contract and specifications as printed be approved. Carried on roll call.

Moved that a vote of thanks be extended to Mr. Barradale for the time and study which he had expended on this work. Carried on roll call.

Mr. Potter reported that he had written to the Clerk of Linden and had arranged for a conference on next Monday evening.

The following bills were read and on roll call ordered paid after being approved by the Auditing Committee:

Voucher No.			
206—Wm. S. Levins	Executive	Committee	$ 83.33
207—Richard S. Earl	"	"	83.33
208—H. J. Stanley	"	"	83.33
209—Wellington Campbell	"	"	83.33
210—Edward Hornbeck	"	"	83.33
211—Thomas L. Raymond	"	"	83.33
212—Henry Biringer	"	"	83.33
213—E. M. Barradale	"	"	83.33
214—O. O. Oaks	"	"	83.33
215—Ambrose B. Kline	"	"	83.33
216—Frank A. O'Connor	"	"	83.33
217—Edward S. Rankin	Salary		291.66
218—Richard S. Earl	"		208.33
219—S. H. Rollinson	"		208.33
220—Kemp Press	Printing		43.50
221—A. A. Sauer	Salary		370.00
222—L. J. Zahnbauer	"		370.00
223—Joel P. Martin	"		370.00
224—Ira T. Redfern	"		370.00
225—Thomas O'Connor ..	"		270.00
226—Edward S. Rankin	Incidental expenses		5.64
227—Wm. H. & Carrie Kleinhaus, Purchase of Property,			3100.00

On motion the meeting adjourned at 4:15.

EDWARD S. RANKIN

Secretary.

Joint Meeting of June 9, 1927.

(Construction)

A meeting of the Joint Meeting for Construction was held on the above date at the Newark City Hall at 3 P. M., Mayor Rollinson in the chair and all municipalities represented except Newark, Roselle Park and South Orange.

On motion the minutes of the last meeting were approved as printed.

Mr. Potter being out of town, his assistant, Mr. Hess said there was no report to offer.

The Secretary read he following communication from Mr. Pringle:

Newark, N. J. June 6, 1927.

JOINT MEETING

Edward S. Rankin, Esq.,
Secretary,

City Hall,
Newark, N. J.

Sirs:

At the meeting on June 2nd, 1927, I was asked to furnish an opinion in writing as to whether the omission, in the contract for section five of the supplementary joint trunk sewer, form of which was approved at that meeting, of a so-called bonus clause in the provision therein for liquidated damages invalidates said provision therein conained for liquidated damages. In my opinion it does not.

Yours truly,

EDWARD G. PRINGLE.

On motion it was received and ordered printed in the minutes.

The Treasurer presented the following report:

JOINT MEETING

June 8th, 1927.

To the Various Municipalities Comprising the Joint Meeting:

Gentlemen:

The Treasurer respectfully reports that on the 12th day of May, 1927, the date of his last report, he had on deposit in The Hillside National Bank, the sum of $7,062.21.

The Treasurer further reports that he was allowed the sum of $12.99 interest, so that the total amount of cash on hand was the sum of $7,075.20, as shown on Schedule 1, hereunto annexed.

The Treasurer further reports that since the date of his last report he has executed warrants as shown on Schedule 2, hereunto annexed, amounting to $6,602.69, so that the total amount of cash on hand to date is $472.51.

All of which is respectfully submitted this eighth day of June, 1927.

RICHARD S. EARL,
Treasurer.

SCHEDULE 1

1927			
May 12th	Balance	$7,062.21	
31st	Interest	12.99	$7,075.20

SCHEDULE 2

June 2nd	Louis Frey Co.	$ 66.60
	Joint Conference on Construction Practices	12.00
	Wm. S. Levins	83.33
	Richard S. Earl	83.33
	H. J. Stanley	83.33
	Wellington Campbell	83.33
	Edward Hornbeck	83.33
	Thomas L. Raymond	83.33
	Henry Biringer	83.33
	E. M. Barradale	83.33
	O. O. Oaks	83.33
	Ambrose B. Kline	83.33
	Frank A. O'Connor	83.33
	Edward S. Rankin	291.66
	Richard S. Earl	208.33
	S. H. Rollinson	208.33
	Kemp Press	43.50
	A. A. Sauer	370.00
	L. J. Zahnbauer	370.00
	Joel P. Martin	370.00
	Ira T. Redfern	370.00

Thomas O'Connor	270.00	
Edward S. Rankin	5.64	
Wm. H. and Carrie M. Kleinhaus	$3,100.00	$6,602.69
	Cash on hand	$ 472.51

On motion the report was received and ordered printed.

The following bill was read and on roll call ordered paid if approved by the Auditing Committee:

Voucher No. 228, Buchlein's Son, seal, $4.00.

The Secretary called attention to the low state of the treasury and the following Resolution was then presented and on roll call passed:

RESOLVED: That the several Municipalities do raise and pay to the Treasurer of the Joint Meeting the sum of $150,000 which shall be assessed upon the Joint Municipalities in the proportion fixed by the contract between the several Municipalities in accordance with Article VIII of said contract; and be it further

RESOLVED: That the Secretary be directed to notify the various Municipalities of such assessment and the proportion to be paid by each; and be it further

RESOLVED: That the said monies be paid to the Treasurer of he Joint Meeting within thirty days of the ninth day of June, 1927.

On motion the meeting adjourned at 3:15 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of June 16, 1927.

(Maintenance)

The Annual meeting of the Joint Meeting for Maintenance was held on the above date at the Newark City Hall at 2:45 P. M., Dr. Campbell in the Chair and the following municipalities represented, Irvington, Millburn, Newark, and West Orange.

On motion the minutes of the last meeting were approved as printed.

The Treasurer presented the following report which on motion was received and ordered printed.

To the Various Municipalities Comprising the Joint Sewer Meeting:

Gentlemen:-

The Treasurer respectfully reports that on the twelfth day of May, 1927, the date of his last report, he had on deposit in the Orange National Bank, the sum of $1,158.03, with warrants outstanding aggregating $17.00, so that the total amount of cash on hand at the date of that report was the sum of $1,141.03.

The Treasurer further reports that since the date of his last report he has deposited in the Orange National Bank, the sum of $1645.00 as shown on Schedule I hereunto annexed.

The Treasurer further reports that since the date of his last report he has executed warrants, as shown on Schedule II, hereunto annexed, amounting to $915.70, so that the total amount of cash on hand at the date of this report is the sum of $1870.33, with warrants Nos. 3372 and 3383, totaling $17.00, still outstanding, so that the Treasurer has on deposit in the Orange National Bank, the sum of $1,887.33.

All of which is respectfully submitted, this sixteenth day of June, 1927.

Simeon H. Rollinson
Treasurer

SCHEDULE I

May 12, 1927, CASH BALANCE ON HAND.....$1,141.03

Deposits

May 16—Village of South Orange.....	$ 325.00	
Tap Fees	20.00	
18—Town of Irvington	325.00	
19—Town of West Orange	325.00	
25—Township of Millburn	325.00	
June 7—City of Summit	325.00	
		1,645.00
		$2,786.03

SCHEDULE II

Disbursements

May 13, 1927—N. Y. Telephone Co.	3481	$	27.75
H. Weibezahl	3482		9.00
John R. Franke	3483		87.20
John R. Franke	3484		3.97
Fred W. Fort, Jr.	3485		99.00
Federal Audit Co.	3486		100.00
C. W. Sandford	3487		21.30
J. J. Keating	3488		5.99
E. S. Rankin, Sec.	3489		24.00
Alexander Potter	3490		83.33
C. W. Sandford	3491		225.00
J. J. Keating	3492		200.00
E. S. Rankin	3493		29.16
			$915.70

CASH BALANCE ON HAND, JUNE 16, 1927.... $1,870.33

The following bills were read and on roll call ordered paid if approved by the Auditing Committee—

Alexander Potter	May salary	$ 83.33
C. W. Sandford	May salary	225.00
J. J. Keating	May salary	200.00

E. S. Rankin	May salary	29.16
H. J. Stanley	Executive Committee	15.00
Wellington Compbell	" "	20.00
J. W. Costello	" "	10.00
E. M. Barradale	" "	15.00
O. O. Oaks	" "	5.00
F. A. O'Connor	" "	20.00
Kemp Press	Printing Minutes	13.50
C. W. Sandford	Auto expenses	34.95
E. S. Rankin, Sec.	Petty Cash	36.00

This being the Annual Meeting, the following nominations were made and unanimously elected:-

Chairman ..... Wellington Campbell
Vice Chairman ..... Harry J. Stanley
Seretary .....Edward S. Rankin
Treasurer ..... Simeon H. Rollinson
Engineer ..... Alexander Potter
Chief Inspector ..... Corey W. Sandford
Asst. Inspector ..... John J. Keating

There being no further business the meeting adjourned at 3 P. M.

Edward S. Rankin
Secretary

(Construction)

The Joint Meeting for construction convened at 3 P. M., Mayor Rollinson in the Chair and all municipalities represented except Newark, South Orange and Summit.

On motion the minutes of the last meeting were approved as printed.

The Engineer reported verbally that Section III was ready for advertising. He submitted plans and specifications for Section III which on motion were referred to the Contract Committee for inspection and approval.

On motion the Secretary was directed to send three copies of the contract for Section V to each municipality.

Mr. Potter asked how he should handle the matter of paying for the blue prints for Section V. Whether he should bill the Joint Meeting for them or deduct the money received for them

from the bidders and send bill for the difference. It was moved that the blue print bill be paid by the Joint Meeting and that all moneys received from the contractors for them be turned over to the Treasurer. Carried on roll call.

Counsel presented a report on the closing of the Kleinhans title on June 15th, which on motion was received and ordered filed.

The committee on the Daniels bill reported progress.

Moved that the officers bonds be continued for another year. Carried on roll call.

Moved that the Stanley bill for services in connection with the Kleinhans property be referred to Counsel. Carried on roll call.

Mr. Potter reported that the meeting with Linden would be held on Monday evening.

The following bill was read and on roll call ordered paid if approved by the Auditing Committee:-

Voucher No. 229, South Orange Record Publishing Co., Printing Contract for Section V, $310.00.

On motion the meeting adjourned at 3:30 P. M.

Edward S. Rankin,
Secretary

Joint Meeting of June 23, 1927.

(Construction)

A meeting of the Joint Meeting for construction was held on the above date at the Newark City Hall at 2 P. M.. Mayor Rollinson in the Chair and all municipalities represented except Hillside, Newark and South Orange.

On motion the minutes of the last meeting were approved as printed.

The following Resolution was presented and on roll call carried:-

Whereas the Joint Meeting desires to amend the specifications for the construction of Section V of the Supplementary Joint Trunk Sewer, it is Resolved that the invitation to bidders on such work heretofore advertised for bids to be submitted this day be withdrawn and that when the specifications have been amended the work be advertised again for bids on such amended specifications.

The Chairman explained to the bidders and others present that the reason for the resoution was that an error had been made in some of the quantities advertised for which might result in unbalanced bids. The Engineer stated that this error had been discovered too late to have it corrected in time for the present letting and therefore had recommended that the work be readvertised. No bids were received at the meeting.

Counsel presented a written opinion on the payment of the Stanley bill and recommended that it be paid if Mr. Stanley had been employed by Mr. Kline. Mr. Kline stated that on behalf of the Joint Meeting he did employ Mr. Stanley,s office to buy this property at the usual broker's commission of 5%.

It was moved that Mr. Stanley's bill be paid. Carried on roll call.

Mr. Potter recommended that the item on page 112 of the specifications, 1 D-1 be changed to read 35,000 cu. yds. Class D Earth excavation, depth O-10 ft. and item 1 D-2 on the same page be changed to read 1000 cu. yds. Class D Earth excavation, more than 10 ft. below ground surface; and that the specifications on page 6 reading 35000 cu. yds. Class D Excavation be changed to read 36,000 cu. yds. Class D Excavation. On roll call the above recommendations were concurred in.

Mr. Potter also called attention to items 21 A and 21 B which are alternate items for the same work but which do not so appear as printed. Moved that the specifications be changed so as to indicate more clearly that items 21 A and 21 B cover the same work and are alternate items. Carried on roll call.

Resolved that the Secretary be directed to advertise for bids returnable on Thursday, July 7th at 1 P. M. Eastern Standard Time as directed by Counsel so as to comply with the law. Carried on roll call.

Moved that the advertisements be inserted twice in the Newark Evening News and the Elizabeth Daily Journal. Carried on roll call.

The following bills were read and roll on call ordered paid if approved by the Auditing Committee.

Voucher No. 230, Elizabeth Daily Journal, Printing Advertisement, $27.84.

Voucher No. 231, Newark Evening News, Printing Advertisement, $26.56.

Moved that when we adjourn we adjourn to meet on July 7th at 2 P. M. Carried on roll call.

On motion the meeting adjourned at 2:55 P. M.

Edward S. Rankin

Secretary.

Joint Meeting of July 7, 1927.

(Construction)

A meeting of the Joint Meeting was held in the Newark City Hall on the above date at 2 P. M., Mayor Rollinson in the Chair and all municipalities represented except Newark.

Moved that the regular order of business be suspended for the purpose of receiving bids. Carried on roll call.

Moved that the receipt of bids be closed. Carried on roll call.

Moved that the bids be opened and read by the Engineer. Carried on roll call. The bids were thereupon opened and read as follows:-

John W. Heller	$641,792.50 for vitrified pipe 635,006.50 for concrete pipe
Linus B. Gilbert	558,589.50 for vitrified pipe 555,596.00 for concrete pipe
Martin & Miller	494,565.00 for vitrified pipe 494,488.75 for concrete pipe
Spiniello Const. Co.	450,936.75 for vitrified pipe 448,418.50 for concrete pipe
Arthur A. Johnson Corp.	603,818.40 for vitrified pipe 600,089.35 for concrete pipe
Joseph Miele Const. Co.	489,155.00 for vitrified pipe 485,149.50 for concrete pipe
Paulsen Const. Co.	543,000.50 for vitrified pipe 543,000.50 for concrete pipe
Pizzimenti Bros.	480,049.00 for vitrified pipe 477,476.25 for concrete pipe

Moved that the bids be received and referred to the Engineer for canvas, tabulation and report at the next meeting. Carried on roll call.

Moved that the Secretary be directed to return the checks and bonds of all but three lowest bidders. Carried on roll call.

The regular order of business was then taken up. On motion the minutes of the last meeting were approved as printed.

Counsel presented the following report on the Leavitt and Bauer property.

JOINT MEETING,

EDWARD S. RANKIN, Esq., Secretary

CITY HALL,
NEWARK N. J.

Sirs:

Some time ago the matter of the contract of Messrs. Leavitt and Bauer to convey to the municipalities constituting the Joint Meeting certain premises in the cities of Elizabeth and Linden was referred to me to report to you as to what extent streets dedicated or established, but not physically opened, affected the premises in question.

This title was searched by Messrs. Riker and Riker and I have before me the abstract prepared by them and in addition have made investigations on my own account.

We are buying two tracts of land from Messrs. Leavitt and Bauer. The first tract contains about 1¼ acres and the second tract, which is entirely separated from the first tract, is a small triangular parcel of about 1/4 acre. Streets known as Woodbridge Avenue, Laurel Street and Burlington Avenue have been dedicated on maps which are on file. In the city of Linden there have been vacations and rededications and to completely clear up the defect arising from this street situation it would be necessary to get vacations by the city of Elizabeth, a deed from Elizabeth and Trenton Ry. Co. and a release from Fidelity Trust Co. of Pennsylvania which is the mortgagee under a mortgage to cover railway bond issues.

Messrs. Levitt and Bauer ever since the matter was brought to their attention, which was shortly after the signing of the contract on July 29th, 1926, have apparently made every effort to cure this defect. They have secured a vacation from Linden but have not been able to get the city of Elizabeth to do anything and have not been able, and evidently will not be able, to get the deed and release from the railway company and the mortgagee, respectively.

These streets if they were ever actually opened would affect only relatively small parts of the land which we are

buying and I am informed by the Engineer that they would not necessarily interfere with our use of the premises.

While it seems extremely unlikely that the public rights in these streets, where they affect the property in question, will ever be asserted, nevertheless, those rights are there and an effort to put structures over these streets as shown, might be met by injuction proceedings or we might later be ejected without compensation.

It should be noted however that the same situation exists in regard to the property which the Joint Meeting acquired in that neighborhood from Frederick K. Day by deed dated August 21st, 1926. The contract with Mr. Day did not call for a warranty deed, but for a Bargain and Sale deed only, he being aware of the street situation, and in the case of that property the deed to the Joint Meeting states that the conveyance is "*Subject to outstanding rights in streets, if any.*"

Messrs. Leavitt and Bauer say that it is impossible for them to cure the defects and that they can convey to us only in the same language as is used in the Day conveyance and I believe this to be true.They offer to return the $500.00 which we have paid to them and to pay us our expenses and take a cancellation of the contract, stating that they have another purchaser at a higher price, or to convey to us in the same way that we took the property from Mr. Day.

The question for the Joint Meeting to decide is, therefore, whether it desires to take these parcels from Messrs. Leavitt and Bauer subject to outstanding rights in streets, if any, and, based upon the opinion of your Engineer that it is vital for you to own these properties, my advice would be to take title to them in the same manner as you have taken title to the Day property which is similarly affected, that is to say: "Subject to outstanding rights in streets, if any."

Yours truly,

Edward S. Pringle

Moved that the report be received and printed. Carried on roll call.

Moved that we take title to the property subject to the outstanding rights in streets. Carried on roll call.

Mr. Potter presented the following report.

To The
Joint Meeting:

Gentlemen:

I submit herewith for your files, a copy of a letter which I addressed to the President and City Council of Linden under date of July 1st, in reference to a conference concerning permit to lay sewers through that city.

Following up this letter, Mr. Pringle and myself visited Linden on Tuesday evening, July 5th, and submitted to the authorities information in regard to the location of the supplementary Joint Trunk Sewer, and as a result of this conference the matter of the right-of-way of the Supplementary Joint Trunk Sewer through Linden was referred to the City Counsel and City Engineer. We have expressed a willingness to furnish the attorney and the engineer all the information they may require to enable them to report intelligently upon this matter.

I regret to state that the plans on Section IV are still being held up because of the suggested change near the upper line, which makes necessary the consent of the telephone company to cross over their property. Action upon this has been placed in the hands of Mr. Ira Redfern of South Orange, who to date has not been able to make a report upon negotations with the telephone company.

I hope within the next few days to make an appointment agreeable to the Golf Club, Mr. Hornbeck and our right of way agent, whereby we may finally dispose of the right of way situation through the golf course.

We have a bid from the South Orange Record Publishing Co. for furnishing fifty copies with revisions in the contract for Section V for $100.00, on the assumption that the revisions will be limited to twenty pages; and $5.00 for each additional page.

Respectfully submitted,

Alexander Potter

July 1, 1927

To The
President and City Council,
Linden, N. J.

Gentlemen:

Several weeks ago I made a formal request, through your City Clerk, to appear before your honorable body for the purpose of discussing with you the terms upon which the Joint Meeting would be permitted to construct a sewer along the boundry line between Elizabeth and Linden. This route was selected at considerable expense to the Joint Meeting, so that it would interfere as little as possible with the existing or projected improvements in the respective cities. While Allen Street is substantially the boundry line between Elizabeth and Linden, from Rahway Avenue to the Sound., the division line along Allen Street is so situated that we cannot keep the sewer wholly within the limits of the City of Elizabeth, as we had hoped to do. The erection of a large factory by the Lidgerwood Mfg. Co. makes it impossible for us to project a perfectly straight line from Rahway Avenue to the Sound, and it is therefore necessary for us to go around this plant, which is now under construction, and enter the City of Linden.

It is our intention to be present at the next meeting of the Linden Council for the purpose of formally asking your honorable body for this permit and discussing frankly the terms.

Mr. Edward G. Pringle, counsel of the Joint Meeting, and I visited Linden on Friday evening, having been advised that your Council was to meet at that time, and we then informally discussed this matter with the members of the Council present. At that time the president of the Council suggested that I get in touch with your City Engineer for the purpose of laying before him the details with respect to the size and width of the sewer, so as to make sure that the proposed construction did not interfere with any of your own works. I hope to have the pleasure of meeting your City Engineer before your next meeting, in conformity with this suggestion.

We had no thought or intention of discussing at last Friday's meeting anything whatsoever in regard to the location of the sewage disposal plant, for, as you know, the

plans under which we are now operating require the construction of the sewage disposal plant in Union and the sewer that it is proposed to construct is simply a conduit carrying the treated sewage from the disposal plant to tidewater. The proposed Joint Trunk Sewer leaves Allen Street and Laurel Street, Linden, at Clarkson Avenue; from that point to tidewater does not enter the City of Linden, and is discharged at the end of Bayway.

Trusting that we can get together on some equitable basis, I remain,

Very truly yours,

ALEXANDER POTTER

Moved that the report be received and printed. Carried on roll call.

Mr. Barradale reported that Mr. Potter had referred to the Contract Committee the contract and specifications for Section III, that the committee had gone over them and recommends that they be approved.

Moved that the Contract and Specifications for Section III as submitted be approved and ordered printed. Carried on roll call.

Moved that the Secretary be directed to advertise for bids on Section III, to be received on Thursday, July 28th at 1 P. M. Eastern Standard Time. Carried on roll call.

Moved that the advertisement be inserted in the same pappers as those for Section V with the addition of two insertions in the Sunday Call. Carried on roll call.

Moved that the South Orange Record Publishing Co. be authorized to print 50 copies of the Specifications for Section III at a price of $100.00. Carried on roll call.

The following bills were read and on roll call ordered paid if approved by the Auditing Committee.

Voucher		
232	Kemp Press, Printing Minutes	$ 20.25
233	Engineering News Record, Ad. Sec. V	68.80
234	South Orange Record, Printing Contract Sec. V	1.72
235	Edward S. Rankin, Expense Account	5.09
236	Newark Evening News, Printing Ad. Sec. V	18.26
237	Elizabeth Daily Journal, Ad. Sec. V	19.24

238—Wm. S. Levins, Executive Committee..... 83.33
239—Richard S. Earl, Executive Committee..... 83.33
240—H. J. Stanley, Executive Committee 83.33
241—Edward Hornbeck, Executive Committee 83.33
242—Wellington Campbell, Executive Committee..... 83.33
243—Thomas L. Raymond, Executive Committee..... 83.33
244—H. Biringer, Executive Committee..... 83.33
245—E. M. Barradale, Executive Committee 83.33
246—O. O. Oaks, Executive Committee..... 83.33
247—A. B. Kline, Executive Committee..... 83.33
248—F. A. O'Connor, Executive Committee 83.33
249—E. S. Rankin, June Salary..... 291.66
250—Richard S. Earl, June Salary..... 208.33
251—S. H. Rollinson, June Salary 208.33
252—A. A. Sauer, June Salary 150.00
253—L. J. Zahnbauer, June Salary 150.00
254—Joel P. Martin, June Salary 150.00
255—Ira T. Redfern, June Salary..... 150.00
256—Thomas O'Connor, June Salary 150.00
257—P. N. Daniels, Engineering Services 900.00

The Committee on the Daniels bill by a majority report recommended that the bill be paid. Moved that the report be received and the bill paid. Carried on roll call, 8 ayes, 1 no.

Moved that the check be turned over to Counsel and that he be instructed to forward it to Mr. Daniels. Carried on roll call.

Moved that Counsel be requested to present his bill for services at his early convenience and hereafter to render a bill quarterly. Carried on roll call.

Moved that the old check to the order of P. N. Daniels be cancelled. Carried on roll call.

On motion the meeting adjourned at 3:35 P. M.

Edward S. Rankin
Secretary

Joint Meeting of July 14, 1927.

(Construction)

A meeting of the Joint Meeting for Construction was held on the above date at the Newark City Hall at 3 P. M., Mayor Rollinson in the chair, and all municipalities represented except Newark, Roselle Park and South Orange.

On motion the minutes of the last meeting were approved as printed.

Counsel reported that he had mailed the check to Mr. Daniels but as yet had received no acknowledgment.

The engineer presented the following report, which on motion was received and ordered printed.

July 14, 1927.

To the Joint Meeting:

Gentlemen:

I submit herewith a tabulation of bids received for the construction of Section V of the Supplementary Trunk Sewer on July 7th.

A checking of the figures has made no difference in the relative position of the bidders submitting proposals. Relatively few errors were found in the computations of the respective bids. There was no error whatever in the tabulation of the bid of the low bidder; the bid of Pizzimenti Brothers is $196 lower than shown upon their proposal, and the bid of Joseph Miele Construction Company showed no error.

I return herewith the proposals submitted by the various contractors.

I am transmitting herewith a copy of the plans and specifications for Section III of the Supplementary Joint Trunk Sewer, which, according to the advertisement, are to be available for inspection at the office of the Secretary of the Joint Meeting.

This morning, at the request of the City Engineer of Elizabeth and the Board of Public Works, I had a conference with the City Engineer, and later, in company with Mr. Pringle, we met the Board of Public Works. They are exceedingly anxious that we start construction of the work at Elizabeth at the earliest possible moment, but before passing definitely upon the contract, the form of which was submitted to them some months ago, they expressed a desire to have a resolution passed by the Joint Meeting, to the effect that we are now ready to proceed with the construction of the sewer through Elizabeth. Mr. Pringle will submit the form of this resolution to the Joint Meeting.

Respectfully submitted,
ALEXANDER POTTER.

Mr. Stanley moved that the contract for Section V be awarded to the Spiniello Construction Co., they being the lowest bidders at the contract cost based on the estimated quantities of $450,936.75 for vitrified pipe and $448,418.50 for concrete pipe. Carried on roll call.

Moved that the proper officers be and are hereby directed to execute the contract after the filing of a bond approved by the Counsel of the Joint Meeting. Carried on roll call.

Moved that the award be made on the basis of the use of vitrified pipe for sizes from 12 to 20 inches in diameter and on concrete pipe for other sizes. Carried on roll call.

Mr. Potter presented plans and specifications for Section III.

The following resolution was offered and on motion carried on roll call: Resolved that the Secretary be directed to notify the City of Elizabeth that the Joint Meeting is now ready to proceed with the actual work of laying and constructing the sewer within the limits of the City of Elizabeth immediately upon the exception of an agreement with the City of Elizabeth as to the use of its streets for the same.

Mr. Stanley for the Right of Way Committee said that the committee with Mr. Potter and the Secretary had met a committee of the Maplewood Country Club that the club was willing for the Joint Meeting to proceed with the work, but wanted them to make a deposit of $5,000 to be used by them, if necessary, to put the grounds and tennis courts in perfect condition after the work was completed.

Moved that in the specifications for Sections 1V and 1Va the Engineer incorporate the conditions made by the Maplewood Country Club for returning the grounds of the club to their original condition, and that the counsel of the club be invited to consult with our counsel in passing on the specifications so far as they relate to passing through the grounds of the club. Carried on roll call.

Moved that the Secretary be directed to return the checks of the unsuccessful bidders on Section V. Carried on roll call.

The Treasurer presented his monthly report, which on roll call was received and ordered printed.

July 14th, 1927.

To the Various Municipalities Comprising the Joint Meeting:

Gentlemen:

The Treasurer respectfully reports that on the 8th day of June, 1927, the date of his last report, he had on deposit in The Hillside National Bank the sum of $472.51.

The Treasurer further reports that he was allowed the sum of $5.37 interest and also that he received from the various municipalities shown on Schedule 1 hereto annexed, the sum of $122,727.29, so that the total amount of cash on hand was the sum of $123,205.17, as shown on Schedule 1.

The Treasurer further reports that since the date of his last report he has executed warrants as shown on Schedule 2, hereunto annexed, amounting to $3,776.71, so that the total amount of cash on hand to date is $119,428.46.

All of which is respectfully submitted this fourteenth day of July, 1927.

Richard S. Earl,
Treasurer.

SCHEDULE 1

1927			
June	9th	Balance	$ 472.51
	24th	Maplewood	13,636.37
	27th	Newark	13,636.36

	28th	Hillside	13,636.37	
		Irvington	13,636.37	
	30th	Interest for June	5.37	
July	1st	East Orange	13,636.37	
	6th	Summit	13,636.37	
	8th	West Orange	13,636.36	
	9th	South Orange	13,636.36	
	12th	Union	13,636.36	$123,205.17

SCHEDULE 2

1927				
June	9th	Buchlein's Son	$ 4.00	
	16th	S. Orange Record Pub. Co.	310.00	
		Elizabeth Daily Journal	27.84	
		Newark News	26.56	
July	7th	Kemp Press	20.25	
		Engineering News Record	68.80	
		S. Orange Record	1.72	
		Edward S. Rankin	5.09	
		Newark Evening News	18.26	
		Elizabeth Daily Journal	19.14	
		Wm. S. Levins	83.33	
		Richard S. Earl	83.33	
		H. J. Stanley	83.33	
		Edward Hornbeck	83.33	
		Wellington Campbell	83.33	
		Thomas L. Raymond	83.33	
		H. Biringer	83.33	
		E. M. Barradale	83.33	
		O. O. Oaks	83.33	
		A. B. Kline	83.33	
		F. A. O'Connor	83.33	
		E. S. Rankin	291.66	
		Richard S. Earl	208.33	
		S. H. Rollinson	208.33	
		A. A. Sauer	150.00	
		L. J. Zahnbauer	150.00	
		Joel P. Martin	150.00	
		Ira T. Redfern	150.00	
		Thomas O'Connor	150.00	
		P. N. Daniels	900.00	$ 3,776.61
		Cash on hand		$119,428.56

The following bills were read and on roll call ordered paid if approved by the Auditing Committee.
Voucher No. 258 John R. Stanley, Inc. Services.....$180.00
Voucher No. 259 Harry J. Stanley, Inc. Bond premium. 162.50

Moved that when we adjourn we adjourn to meet in Thursday, July 28th, at 2 P. M. Carried on roll call.

Moved that the proper officers be authorized to sign a check to the order of Alexander Potter for the second half of the amount due him as provided in his contract to be paid on the execution of the first construction contract, said check to be delivered upon the execution of such first consturction contract. Carried on roll call.

On motion the meeting adjourned at 3:40 P. M.

Edward S. Rankin,
Secretary.

Joint Meeting of July 21, 1927

Construction

A meeting of the Joint Meeting was held on the above date at the Newark City Hall at 3 P. M., Mayor Rollinson in the chair, and all municipalities represented except East Orange, Irvington, Newark and Summit.

The engineer presented the following report, which on motion was received and ordered printed.

July 21, 1927.

To the Joint Meeting:

Gentlemen:

The Elizabethtown Water Company, Consolidated, have granted us the right of way across about 1,600 feet of their property at the location desired by us, for the sum of $750.00, upon our agreeing to the acceptance of certain stipulations suggested by them.

They also advise me in their communication that the lease or right of way agreement must be consummated prior to August 1st on account of the placing of a mortgage upon their property, which, if not executed prior to August 1st, might complicate the securing of the right of way or delay it very seriously.

I would, therefore, recommend that the associate counsel be authorized to prepare and have executed by th Elizabethtown Water Company, Consolidated, a right of way agreement in which shall be incorporated the following provisions:

1. The Elizabethtown Water Company, Consolidated, deeds to the Joint Meeting a right of way ten feet in width on the northerly side of the present right of way of the Joint Trunk Sewer, across the Springfield property of the said Elizabethtown Water Company, Consolidated, beginning at a point on the easterly side of Springfield Avenue and extending to the easterly property line of the said Springfield property of the Elizabethtown Water Company, Consolidated, a distance of approximately 1,547 feet more or less.

2. The Elizabethtown Water Company, Consolidated, grants the privilege to the Joint Meeting, its representatives or contractors, to make use of an additional strip of land adjoining the above described right of way and northerly thereof for a width of 50 feet to be used during the construction period, and at the termination thereof the said 50 additional feet will be vacated by the Joint Meeting and returned to the Elizabethtown Water Company, Consolidated.

3. The Joint Meeting will release a strip 10 feet in width on the southerly side of the existing right of way which was obtained through an agreement dated June 3, 1923, and recorded in Book 427, page 92, in the Register's office of Union County.

4. The Supplementary Sewer will be 54 inches in diameter and will be constructed of cast iron pipe on concrete piers.

5. Necessary changes in the existing air or water lines on account of construction of the new sewer will be made by the Elizabethtown Water Company, Consolidated, at the expense of the Joint Meeting, and all papers relating thereto shall be drawn up by and at the expense of the Joint Meting.

6. The Joint Meetinfi agrees to pay Seven hundred and fifty ($750.00) Dollars in consideration of the said exchange.

7. The map attached to the lease indicates the proposed changes in the rights of way now held and those to be acquired.

The recent rains have again demonstrated the increasing amount of abnormal flow reaching the sewers during the periods of storm, indicating that the sewers are not watertight.

I submit herewith a record of the flow of the Joint Trunk Sewer of the Elizabeth line under date of July 18th, which shows the normal fluctuations between the high daily peak and the low flow. This shows that the normal depth of the flow of the sewers ranged from 16 to 25 inches, depending upon the time the daily observation is made. Whereas, because of the protracted rainstorm on Saturday, the sewage not only completely filled the sewer, which is 42 inches in diameter, but rose 40 inches in the manhole.

Now that the contract for Section V has been let, I desire to make a statement in reference to the checks received as a deposit for the plans.

Checks have been returned to Arthur A. Johnson Corp., Spiniello Construction Co. and the John W. Heller Co.

The check of the O'Neill Construction Co. I have endorsed over to the Joint Meeting. This company had a bid ready for submission at the first letting, and if submitted at that time they would have complied with the terms of the conract and been eititled to the receipt of their check.

Thomas J. O'Gara is in the same position. He had his bid prepared and ready for submission the first time, but

other appointments prevented his submitting a bid the second time.

Louis Jacques bid the first time and met with an automobile accident, which made him 15 or 20 minutes late for the second letting.

I am retaining Louis Jacques' check, also O'Gara's, as a deposit in connection with plans for Section III. If the Joint Meeting believes that these checks have been forfeited, I shall insist upon receiving another check from them. My recommendation, however, is against such a procedure.

The checks of R. L. Gilbert, Martin & Miller, Paulsen Construction Co., Pizzimenti Brothers, Lock Joint Pipe Co. and the Newark Concrete Pipe Co. have been retained as a deposit on Section III.

Respectfully submitted,
ALEXANDER POTTER.

Moved that the recommendation of the Engineer regarding the right of way through the property of the Elizabethtown Water Co. be approved. Carried on roll call.

Moved that all checks received for plans on Section V be returned. Carried on roll call.

Mr. Potter presented specifications for the sewer through the Maplewood Field Club property. He was instructed to submit them to the Club committee.

The Chair reported that the contract of Section V was executed on Monday of this week and the bond filed with the Secretary.

Moved that the payment of Mr. Potter's bill for $12,900 be ratified and approved. Carried on roll call.

The following bill was presented and on roll call ordered paid when approved by the Auditing Committee.

Voucher No. 261. S. O. Record Pub. Co.
Printing Section III.....$175.00

On motion the meeting adjourned at 3:15 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of July 25, 1927

(Construction)

A meeting of the Joint Meeting was held on the above date at the Newark City Hall at 2 P. M., Mayor Rollinson in the Chair and all municipalities represented except Newark, Roselle Park and South Orange.

On motion the approval of the minutes of the last meeting was laid over till next week.

Moved that the regular order of business be suspended and bids received for Section III. Carried on roll call.

Moved that the receipt of bids be closed, and that the Engineer proceed to open and read the bids. Carried on roll call.

The following bids were then opened and read—all being accompanied by bonds and certified checks :-

Clemente Construction Co.	$504,540.00
	527,080.00 alternate
Stephens U. Hopkins	325,444.47
O'Gara Construction Co.	305,205.40
	368,347.90 alternate
Spiniello Construction Co.	316,447.85
Louis Jacques Construction Co.	401,554.50
	405,394.50 alternate
Paulsen Construction Co.	247,384.50
	280,692.50 alternate
Arthur A. Johnson Corp.	292,601.30
	355,159.05 alternate
Dinallo & McEligot	261,959.50
	291,305.00 alternate
Linus R. Gilbert	318,937.00
	370,547.00 alternate
Martin & Miller	291,279.50
	342,462.50 alternate
Pizzimenti Brothers	314,332.00
	328,722.00 alternate

Moved that all bids be referred to the Engineer for tabulation to report at the next meeting. Carried on roll call.

The Engineer presented the following report which on motion was received and ordered printed.

To The
Joint Meeting.

Gentlemen:

July 28, 1927.

I submit herewith a plan of Section V showing some changes in the location of the supplementary Joint Trunk Sewer in the Town of Irvington, as follows:

1. The line as originally laid out upon the plan was through the center of the property belonging to Irvington, and is through the middle of an ash and garbage dump. The Town is desirous of reserving this property for a school house site, in which event the sewer will pass under the school.

At a meeting of the governing Board of the Town of Irvington on Tuesday night, they approved the change shown in red upon the plan. This change in plan obviates the necessity of purchasing a private right of way over two properties in the lower end of the sewer where the change makes it feasible for us to build the sewer in Union Avenue, under the sidewalk, which will eliminate the cost of repaving the street. The contractor has been held up pending the approval of this modification in the plan.

2. The other change I would recommend is in the vicinity of Nye Avenue along the line shown in red upon the plan submitted herewith. The original location near Nye Avenue was across the property of the Forstner Chain Corporation, and was projected alongside of their building on what is used by them as a driveway. Plans are being prepared by Forstner for a building extending from their existing brick building and covering their entire frontage, and they object to the location of the sewer through their property for this reason.

I have, therefore, modified the design, carrying the sewer on the west bank of the river across the property of Salvatore Messina and Charles Misch, coming back on the

original line near the intersection of the property of Frederick Scott and Frank C. Hennermoller.

Salvator Messina is willing to accept the sum of $800 for a 10-foot right of way on Nye Avenue. Nye Avenue frontage is worth $100 per front foot. The price, with a 10-foot easement across the property, of $800 is, in my judgment, a fair and equitable price. The construction of the sewer along his existing driveway will deprive him of the rent he is now getting for his garage of $30 a month, and this $30 includes any damage done on account of his loss. We have agreed, however, that any damage done to the garage will be repaired.

We have secured an option on the adjoining property of Charles Misch for a right of way of 60 feet in length at $1.00 per foot and an additional $12.50 for the use of the property adjoining during construction, making a total of $72.50.

I ask for the approval of the modification of this line.

Respectfully submitted,
Alexander Potter

Moved that the change in line between Mill Road crossing of the Elizabeth River and the end of Rutgers Street be approved. Carried on roll call.

Moved that the change of location at Nye Avenue be approved. Carried on roll call.

Moved that the change of line across the property of the Pure Milk Farms be approved. Carried on roll call.

Mr Potter presented the following recommendation.

To The
Joint Meeting.

Gentlemen:

In re-drafting the specifications for Section V, after due consideration, in order to better insure the integrity of the pipe, we had decided to change the concrete mix from 1:2:4 to 1:1½:2½. Through an oversight, the specifications for this denser mix were made to apply only to the pressure line, whereas it was the intention to have it apply to the entire line, which has been done in Section III.

The additional cost of this will be as follows:

24"	10c. per foot
27"	12c. per foot
30"	15c. per foot
33"	20c. per foot
42"	30c. per foot

We have ordered this to be done subject to the approval of the Joint Meeting, and I recommend its adoption.

Respectfully submitted,
Alexander Potter

Moved that the recommendation be concured in. Carried on roll call .

Mr. Potter then presented the following:

To the
Joint Meeting.

Gentlemen:

I desire to call specifically to your attention the responsibility that is placed upon me under Article XIII of the contract between the municipalities. Under this article "each municipality shall give notice to the Chief Engineer of the Joint Meeting of the proposed construction of any local sewer or sewers which will discharge directly or indirectly into the existing or supplementary sewers."

Several months ago a notification was sent to the various engineers of the municipalities calling their attention to this provision of the contract and asking them to advise me as to what sewer work was in progress, but probably because of rush of work or other reasons this has not been complied with, notwithstanding the fact that considerable sewer work has been and is being undertaken throughout the entire district tributary to the Joint Trunk Sewer.

This same article provides that "said Engineer shall be empowered in his discretion to appoint inspectors on such local sewers and the inspectors so appointed by the Chief Engineer shall have all the powers and authority of inspectors appointed on such work by such municipality."

The necessity for such inspection has been apparent to me for some time, but I have hesitated about making such

an appointment until I deemed it absolutely necessary Instead of appointing inspectors on different parts of the work as provided for under Article XIII, I am of the opinion that it will be less expensive to the Joint Meeting if we appoint one man whose record, reputation and experience in sewer construction has been such that his opinion will carry weight with the respective engineers and local inspectors without antagonism, and my first thought was that it might be possible to employ one of the inspectors already in the employ of the Joint Meeting. However, the nature of the employment of these men during the past years has not been such as to give them the necessary experience in holding a position of this character in an acceptable manner.

I finally centred my selection upon a man who is qualified to fill this position, and, acting upon the authority given me, I made arrangements with Mr. James Jameson, who has been employed as general inspector of the Passaic Valley Sewer for many years, to fill the position provided for under the contract.

I have known Mr. Jameson personally, for 25 years; he was identified with certain sections of the local sewers in some of the municipalities now comprising the Joint Meeting, and the character of the work done under his supervision has been most excellent.

Mr. Jameson asks that he be paid $90 per week, which, for a man of his broad experience, is not a high salary. Considering the duties and responsibilities to be assumed by him, I would recommend that this salary be paid to him. Unless we have a man thoroughly qualified by experience and temporament, to fill this position, no practical results can be assured in connection with this important phase of the work. I believe Mr. Jameson is a man of such tact and ability that he can for some time to come, singlehanded, do what work of inspection is necessary in a satisfactory manner.

Mr. Jameson owns a car and is agreeable to using it in connection with the Supplementary Joint Trunk Sewer work at the cost of gas and new tires.

While Mr. Jameson will be employed during the construction season in connection with the actual inspection of the work in progress, there exists throughout the systems already built a great deal of preventable leakage, and it will

be his duty during the winter to locate such preventable leakage so that we can seek the co-operation of the various municipalities in its elimination, for under the contract the municipatities will be heavily penalized so long as this preventable leakage is permitted to last because it will be charged against them, and if on account of its existence it uses up their capacity in the Joint Trunk Sewer, then they will be charged a substantial sum for the capacity that they encroach upon the rights of others.

Respectfully submitted,
Alexander Potter

After some discussion it was moved that the matter be taken under advisement and taken up at a subsequent meeting. Carried on roll call.

Counsel reported that on Tuesday he, with the Engineer and Secretary had a conference with the Elizabeth Board of Works and their Counsel. They had gone over the proposed contract in detail and a new draft would be prepared by the Elizabeth Counsel and submitted at an early date.

He also presented the agreement with the Elizabethtown Water Co. in accordance with the motion made at the last meeting releasing a ten foot strip on one side of our right of way and granting a similar strip on the other side. The agreement was duly executed by the Company and he recommended its execution by the Joint Meeting. On roll call the proper officers were authorized to execute the agreement.

Moved that a warrant be drawn to the order of the Elizabethtown Water Co., Consolidated in the sum of $750.00 and given to Counsel for delivery. Carried on roll call.

On motion the meeting adjourned at 3:30 P. M.

Edward S. Rankin,
Secretary.

Joint Meeting of August 4, 1927

(Construction)

A meeting of the Joint Meeting for construction was held in the Newark City Hall on the above date at 3 P. M., Mayor Rollinson in the Chair and all municipalities represented except Newark, Roselle Park and South Orange.

On motion the minutes of the last three meetings were approved as printed.

Mr. Potter presented the following report.

August 4, 1926.

Joint Meeting
Newark, N. J.

Gentlemen:

I submit herewith the plan and profile of Section 5b-1. This sewer is proposed to take the place of the sewer in Lyons Avenue from Augusta Street to the Newark City Line.

The request for this change in the plan comes from Irvington and Newark and is occasioned by the recent development of all the territory within the City of Newark at the southwest corner of the town.

I would recommend the adoption of the change in plan based upon the figures in Spiniello's contract. The difference in the cost of construction will be $9,000 due to the fact that this sewer extends from the Elizabeth River to the Newark City Line, whereas on the Lyons Avenue line, it is necessary to construct a sewer from the Elizabeth River to Augusta Street in any event.

Respectfully submitted,

Alexander Potter.

Moved that the recommended change of line be concurred in. Carried on roll call.

Mr. Potter then presented the further report.

August 4, 1927.

To The
Joint Meeting.

Gentlemen:

On December 2, 1926, the Joint Meeting adopted by resolution standard specifications for house connections.

The adoption of this recommendation was not approved by East Orange, and at a conference with the engineers to take up this matter, it was agreed that where a municipality, as in the case of East Orange, had a department whose duty is was to construct these house connections by day labor under the supervision of a competent man, under the circumstances if it desired to lay a vitrified pipe instead of cast iron pipe, it should be permitted to do so.

I did not request the Joint Meeting to take action upon this matter, for I thought that the understanding was that the engineer of East Orange was agreeable to this. Mr. Levins, however, advises me that the City of East Orange is desirous that some official action be taken in the matter by the Joint Meeting before acquiescing in the appointment of an inspector who, with this specification before him, might insist on East Orange using cast iron pipe because the use of this pipe is set forth in the specifications for house connections adopted by the Joint Meeting.

I would, therefore, suggest the passage of a resolution substantially as follows:

*Whereas, t*he Joint Meeting did upon the second day of of December, nineteen hundred and twenty-six, adopt a standard specification for house connections in which the use of cast iron soil pipe was mandatory, which mandatory provision was adopted because it insured the greatest possible elimination of ground water and not because of any superiority in the use of cast iron metal over sewer pipe; and

Whereas, the City of East Orange has for many years insisted upon all house connections being laid by its own department and not by contract, thus better insuring an approximation to water-tight work notwithstanding the use of vitrified soil pipe.

Therefore be it resolved, that the standard specifications

for house connections be amended by the addition of the following clause:

That wherever, in the opinion of the Engineer, the method used in any municipality for the laying of soil pipe of any material other than cast iron pipe is such as to insure water-tightness and permanence equal to that called for in the specifications, the Engineer will permit the use of such other material during such period as the method of procedure is satisfactory to him.

Respectfully submitted,
Alexander Potter.

Moved that the recommendations be concurred in. Carried on roll call.

Mr. Potter then read the following:

To The
Joint Meeting.

Gentlemen:

I submit herewith a canvass of the bids upon Section III of the Supplementary Joint Trunk Sewer. The low bidder is the Paulsen Construction Co. As the bids were originally read off, the order of the four lowest bidders on precast concrete pipe with bituminous coating was:

Paulsen Construction Co.	$247,348.50
Dinallo McEligot	261,959.50
Martin & Miller	291,279.50
Arthur A. Johnson Corp.	292,601.30

After checking and tabulating the bids, we find that the order of the four lowest bidders is modified and is as follows:

Paulsen Construction Co.	$247,348.50
Dinallo McEligot	259,694.50
Arthur A. Johnson Corp.	287,701.30
Martin & Miller	291,279.50

The reason for the change in the order is that the Arthur A. Johnson Corp. erroneously included in their total bid, alternate items 21A-2.

Alternate bids were received for constructing sewers in place and for lining them with tile plates, for the sake of greater permanence against the effect of acid fumes or gases.

The comparative bids of the four lowest bidders for reinforced concrete sewers built in place, with the tile lining, are:

Paulsen Construction Co.	$281,392.50
Dinallo McEligot	308,804.50
Arthur A. Johnson Corp.	350,359.05
Martin & Miller	342,462.50

The comparative bids for the use of precast concrete pipe, lined with tile, are:

Paulsen Construction Co.	$269,888.50
Dinallo McEligot	288,996.50
Arthur A. Johnson Corp.	317,103.30
Martin & Miller	322,845.50

I would recommend the use of precast concrete sewer with tile lining.

My estimate upon Section III without the use of tile lining was $297,200, as against the low bid of $247,348.50.

Paulsen Construction Co. is a new organization practically all of the capital stock being owned by Mr. Paul W. Paulsen. Mr. Paulsen is an efficient and competent sewer builder. He was, however, previously Vice-President of the Hammen Construction Co., Detroit, Mich., which company has been identified with several unfortunate contracts, as follows:

I. With Jersey City, N. J., where retained percentages amounting to approximately $150,000 and extra claims for $132,000 have been held up, all of which claims, in my opinion, have a sound basis under the contract. The alleged justification on the part of Jersey City for this retention of moneys is that the sewer has not been constructed according to contract.

Two years ago Mr. Paul W. Paulsen and Mr. Fred Bisballe, acting for themselves and the Hammen Construction Co., retained my services as expert engineer in connection with a suit against Jersey City for the recovery of moneys due them. The suit was subsequently withdrawn at the instance of the bankers, who had taken over the financial affairs of the Hammen Construction Co. The withdrawal of the suit was on the theory that a settlement out of court would be made, which has not yet materialized.

During the summer of 1925, also the year 1926, I gave considerable of my time and strength to this case, physically crawling through practically every foot of the six miles of sewers laid by the company, with others of my assistants, and also through long stretches of sewers laid by other contractors on the same work, for the purpose of comparing the work done by them with that accepted by Jersey City. I had many conferences with their Eastern and Western attorneys concerning the litigation and the preparation of the case for trial.

2. In Hamilton County, near Cincinnati, O., they sustained a loss of $150,000, but seemingly have completed the work in a satisfactory manner.

Due to their financial condition, they are still obligated to me in the amount of $3,500 as per bill submitted to them October 1, 1926, at which time they thought they would be able to effect a settlement of this account. The bill, however, is still unpaid.

Last year Mr. Paul W. Paulsen organized a corporation bearing his name, which is financed by the Industries Development Corporation, a corporation composed of New York business and professional men for the purpose of financing contractors on public works. They are at the present time financing the Paulsen Construction Co. on several jobs for the City of New York; one for the construction of a complete system of sewers and sewerage disposal works for Tannersville, N. Y., for the protection of New York City's water supply, and other contracts in Staten Island and Queens.

The Industries Development Corporation is financing the Rosoff Subway Construction Co., which company is engaged upon the construction of $14,000,000 worth of New Yory subways, and other contractors performing City and State work.

Notwithstanding the fact, therefore, that the head of the Paulsen Construction Co. has been connected with two contracts which have had unpleasant endings, I am of the opinion that, with the financial backing of the Industries Development Corporation, he ought to be able to complete his work on Section III of the Supplementary Joint Trunk Sewer satisfactorily, despite his excessively low bid upon the work.

It behooves me, in this connection, to repeat that Mr. Paul W. Paulsen, Vice-President, Mr. Fred Bisballe, President, and the Hammen Construction Co., severally and collectively, still owe me $3,500 for services on expert work done on their behalf in connection with the Jersey City matter.

Under the aforesaid circumstances, it is a question whether the Joint Meeting desires to let the contract for Section III to the low bidder or to reject his bid and readvertise for the work.

I submit herewith a general application for permission to cross the streets of Essex County with the Supplementary Joint Trunk Sewer and its branches. When this general application is filed and accepted by Essex County, a plan for each particular crossing receives specific approval by the engineer of the county when requested by a proper official of the Joint Meeting.

I enclose herewith a bill from the Engineering News-Record, amount $68.00, for advertising Section III.

Respectfully submitted,

Alexander Potter

After considerable discussion it was moved that the contract for Section III be awarded to the Paulsen Construction Corporation in accordance with their proposal but that the use of lining tile and other alternatives be decided later. Carried on roll call.

Moved that the Engineer be instructed to ascertain the additional cost, if any, of using lining tile on Section V and report at the next meeting. Carried on roll call.

Mr. Potter then brought up the matter of an agreement with Essex County regarding the opening of County roads, which on motion was referred to the Counsel and Engineer to report at the next meeting.

Mr. Salmon read the proposed contract between the Joint Meeting and the Maplewood Country Club which on motion was referred to the Counsel and Engineer.

Counsel reported that the right of way agreement between the Joint Meeting and the Elizabethtown Water Co. had been executed by both parties and payment made. Counsel also said that it was necessary for him to have a fund on which he could draw to pay for rights of way without waiting for a meeting. Moved that the Treasurer be authorized to deposit $5000.00 in a separate account in the names of E. G. Pringle and E. S. Rankin to be used by them for the purchase of rights of way. Carried on roll call.

Moved that all checks deposited with bids for Section III be returned. Carried on roll call.

Moved that Counsel be requested to give an opinion at the next meeting as to his construction of the contract in the matter of employing an inspector. Carried on roll call.

The following bills were read and on roll call ordered paid when approved by the Auditing Committee.

Voucher No.			
262—Wm. S. Levins	Executive	Committee	$83.33
263—R. S. Earl	"	"	83.33
264—H. J. Stanley	"	"	83.33
265—Edward Hornbeck	"	"	83.33
266—Wellington Campbell	"	"	83.33
267—T. L. Raymond	"	"	83.33
268—Henry Biringer	"	"	83.33
269—E. M. Barradale	"	"	83.33
270—O. O. Oaks	"	"	83.33
271—A. B. Kline	"	"	83.33
272—F. A. O'Connor	"	"	83.33
273—E. S. Rankin	July	Salary	291.66
274—R. S. Earl	"	"	208.33
275—S. H. Rollinson	"	"	208.33

276—A. A. Saur	July Salary	$150.00
277—L. J. Zehnbauer	" "	150.00
278—J. P. Martin	" "	150.00
279—Ira T. Redfernn	" "	150.00
280—Thomas O'Connor	" "	150.00
284—Eve'g News Pub. Co.	Ad. Sec. III	27.20
285—Elizabeth Journal	Ad. Sec. III	27.84
286—Kemp Press	Printing Minutes	47.25
287—E. S. Rankin	Expense Account	7.57
288—E. G. Pringle and E. S. Rankin	Right of way Fund	5000,00

On motion the meeting adjourned at 5:05 P. M.

Edward S. Rankin
Secretary

Joint Meeting of August 11, 1927

(Construction)

A meeting of the Joint Meeting was held in the Newark City Hall on the above date at 3 P. M., Mayor Rollinson in the Chair and all municipalities represented except Newark, Roselle Park, Summit and Union.

On motion the minutes of the last meeting were approved as printed.

Mr. Pringle presented the following report, which on motion was received and ordered printed.

August 11, 1927.

Joint Meeting,

Edward S. Rankin, Esq., Secretary,

City Hall,
Newark, N. J.

Sirs:

At your meeting on August 4th, 1927 I was asked to give an opinion on that portion of Article XIII of the contract between the several municipalities constituting your body, under which you are building the Supplementary Joint Trunk Sewer, which refers to the appointment of inspectors on local sewers under construction. This article in its entirety is as follows:-

"Article XIII. The joint outlet or trunk sewer branches and appurtenances as increased in capacity by the supplementary sewer and treatment plant are designed to furnish sewage facilities for the municipalities concerned up to the year 1950 and for the purpose of insuring as far as possible such service life of the sewer as increased in capacity and to prevent unnecessary infilteration of ground water into said sewer, the Joint Meeting shall be authorized to adopt and provide standard specifications for all local sewers and house connections in the several municipalities which will discharge sewage directly or indirectly into the existing or supplementary sewers, which specifications shall be adopted by the several municipalities for the construction of such local sewers. *Each municipality shall give notice to the Chief Engineer of the Joint Meet-*

ing of the proposed construction of any local sewer or sewers which will discharge directly or indirectly into the existing or supplementary sewers. Said Engineer shall be empowered in his discreation to appoint inspectors on such local sewers and the inspectors so appointed by the Chief Engineer shall have all the powers and authority of inspectors appointed on such work by such municipality."

You have already adopted standard specifications for house connections in the several municipalities but you have not adopted standard specifications for the construction of local sewers.

That portion of Article XIII referring to the appointment of inspectors is the part underlined above.

You will note that Aritcle XIII is silent as to who shall pay inspectors so appointed. In my opinion the contract contemplates that such payment shall be made by the Joint Meeting as a whole.

The necessity for having such inspectors on local sewers is left to the discretion of the Engineer but in my opinion this is subject to the approval of the Joint Meeting.

Under your contract this is a Joint Meeting matter and to be carried out by the Joint Meeting in its usual manner of proceeding by resolution duly passed by a majority vote.

In my opinion Article XIII of the contract above quoted contemplates the appointment of an inspector or inspectors on any local job that is under way where it is deemed necessary to have inspection. You will note that all such jobs must under the contract be brought to the attention of of the Engineer and this is so that he may determine in your interest from an examination of the plans and specifications whether the proposed work is to be so constructed as to prevent unnecessary infiltration of ground water into your sewer. If in his opinion this is not the case the contract contemplates that he shall in your interest bring it to your attention and to the attention of the offending municipality and in any case where he deems it proper he will recommend to you the appointment of an inspector or inspectors, and give you his selection, which recommendation must then be disapproved or approved and confirmed by you and the compensation, term and other conditions of employment fixed by you.

In my opinion the contract contemplates the appointment of an inspector or inspectors for the inspection of the construction of particular jobs as they arise, but you may if you wish unanimously name one general and permanent inspector instead.

Yours truly,
Edward G. Pringle.

Mr. Pringle further said that he was having difficulty in securing rights of way on account of not having proper descriptions of the property to be acquired. After some discussion it was moved that the Engineer be directed to prepare the necessary descriptions. Carried on roll call.

Counsel also reported that he approved the agreement with Essex County with reference to the opening of County roads. Moved that the proper officers be authorized to execute the agreement. Carried on roll call.

A discussion on rights of way followed during which Mr. Potter reported that the Packard Construction Co. would give us a right of way through their property for $1250, but if arrangements could be made with Irvington for opening a street through the property it would cost us nothing. Moved that Mr. Potter be directed to take this matter up with the Irvington Engineering Department. Carried on roll call.

The Engineer presented the following report which on motion was received and ordered printed.

To The
Joint Meeting.

Gentlemen:

At the last session the matter of the use of tile lining for Section III was taken up for consideration, and I was asked to investigate the cost of using tile lining on the concrete sewers in Section V.

The contractor for Section V has contracted with the Lock Joint Pipe Co. for furnishing the reinforced concrete pipe upon this work. When this contract was made, we recognized that the great bulk of the concrete pipe was for 27", 30" and 33" and on these sizes we were of the opinion that the irregularity in the curvature of the tile plates would be sufficiently great to effect the flow conditions substantially. On 42" sewer, liner plates could be used excepting

the 4,300 feet of this size which is a pressure section, where the use of liner plates would be impractical. The amount of pipe of such sizes for which we thought it was practical to put in tile lining was so relatively small as to make it inadvisable to recommed its use. For the protection of the concrete, we are relying upon the application of a coating, which is a precautionary measure not always used.

Following the instructions of the Joint Meeting, however, I inquired of the Lock Joint Pipe Co. the price at which they would tile line all reinforced concrete pipe. They advise me that, from a manufacturing standpoint, they would not care to handle an order at this time requiring liner plates. They claim that the production of pipe with liner plates in them can be only at a very reduced rate, owing to labor in handling and redandling the plates. They further claim that they have already made up several thousand feet of the order. Personally, I am of the opinion that, with the precautions taken on Section V, the readjustment that would be necessary in order to use liner plates would hardly be worth the change. So far as Section III is concerned, I think that the use of liner plates upon the sizes called for in this section is justifiable.

The Newark Concrete Pipe Co., with whom the Paulsen Construction Co. have contracted to furnish pipe, have in their yards a number of sections of reinforced concrete pipe, tile lined, and they are anxious to have you inspect this pipe and to make a test of it in the presence of the Joint Meeting. They have accordingly invited the Joint Meeting, or as many of its members as possible, to visit their factory at the close of to-day's session for the purpose of witnessing a test made on this pipe.

Under paragraph 11, article (d), of my contract with the Joint Meeting I am obliged to prepare all maps, plans and descriptions of rights of way for the Supplementary Joint Trunk Sewer, branches and appurtenances, and assist in securing such rights of way and the lands and easements necessary therefor. This I have done in exactly the same manner as I did on the original Trunk Sewer. When the Joint Trunk Sewer was first installed, the rights of way and the lands and easements required were referred to the stationing on our survey at the beginning and end of the property crossed. Mr. Pringle thinks that more definite information should be given as to the location of these rights of

way from the corner points of the property. Such information is not in my possession and could not have been contemplated under my agreement. I am perfectly willing to work in co-operation with the Township, Town and City Engineers, but the location of property corners is the work of registered surveyors. The cheapest and quickest way of getting this additional information is to make some arrangement with the municipal engineers, all of whom are registered licensed land surveyors, whereby they will assist us in procuring this information and the cost should be borne by the Joint Meeting.

I return herewith the contract for Section III signed by the Paulsen Construction Co., for the signature of the Chairman and Secretary of the Joint Meeting.

The woeful lack of capacity in the existing sewers has again been emphasized by last week's storm and a new situation has arisen where, for the first time in the history of the Joint Trunk Sewer, we have had a serious stoppage of the sewer in the City of Elizabeth. The flow in the sewer was so great during the heavy part of the storm that manholes were thrown off in that city. Either as a result of the deliberate insertion of planks in the manholes or because of some construction work along the line of the sewer, a very serious stoppage ensued at Trenton Avenue, and our inspectors are this morning trying to remove the planks. Just as soon as any section of the new sewer can be completed, the flow in parts of the old trunk sewer will be temporarily diverted to the new sewer and every effort will be made to locate the points of emanation of this excessive leakage in the system, for the big bulk of this excess flow is preventable leakage which can and should be eliminated.

I enclose herewith bills rendered covering blue-print copies of the plans and specifications for proposals on Sections III and V.

Under the contract, the first estimate on Section V has to be made out for work done up to August 10th. This estimate is submitted herewith and the amount due the contractors is $15,735.05.

I enclose herewith my bill for services in connection with the supervision of this work.

Respectfully submitted,

Alexander Potter

Moved that we determine on the stile of pipe to be used on Section III before signing the contract. Carried on roll call.

Moved that we designate the use of precast concrete pipe without liner plates. Carried on roll call.

Moved that the proper officers be and are hereby directed to execute the contract for Section III after the filing of a bond approved by the Counsel of the Joint Meeting. Carried on roll call.

Moved that the first estimate for Section V be approved. Carried on roll call.

Moved that the bill of the Engineer be approved. Carried on roll call.

Mr. Stanley presented a letter from Mr. Martin resigning his position as Right of Way Agent for Irvington. After some discussion it was moved that the resignation be not accepted and that Mr. Martin be requested to be present at the next meeting. Carried on roll call.

Moved that all Engineer's estimates for contract work be spread at length on the minutes. Carried on roll call.

JOINT MEETING
SUPPLEMENTARY JOINT TRUNK SEWER
SECTION V

Monthly Approximate Estimate No. 1

Spiniello Construction Co., Contractor.

August 10, 1927

Item	Description			
1A-1	75 cu. yds. Class "A" Rock Excavation	@	$ 3.00	$ 225.00
1B-1	190 Cu. yds. Class "B" Rock Excavation	@	2.00	380.00
1D-1	1,000 cu. yds. Class "D" Earth Excavation depth 0-10'	@	1.75	1,750.00
1D-2	80 cu. yds. Class "D" Earth Excavation depth over 10'	@	4.00	320.00
3	260 ft. 6" Underdrain	@	10	26.00
4	IM ft. B. M. Sheeting and Timber	@	55.00	55.00
8A	7.45 cu. yds Class "A" Concrete	@	30.00	223.50
11B-1	390 ft. 33" Sewer 0-8' deep	@	4.55	1,774.50
11B-2	404 ft 33" Sewer 8-12' deep	@	4.60	1,858.40

11E-2	52 ft. 24" Sewer 8-12' deep	@	3.25	169.00
19	16,000 sq. ft. Bituminous Coating	@	.10	1,600.00
20	46.5 cu. yds. Broken Stone	@	10.00	465.00
	Premium on Bond			6,764.04
				$15,610.44
	Less 15% retained			2,341.57
				$13,268.87

MATERIAL ON HAND

600 ft. 24" Concrete Pipe	@	$1.50	$ 900.00
600 ft. 33" Concrete Pipe	@	2.50	1,500.00
108 ft. 18" Cast Iron Pipe	@	3.15	340.20
Value of Material on Hand			$2,740.20
90% of value of Material on Hand			2,466.18
AMOUNT DUE CONTRACTOR			$15,735.05

I hereby certify that the above amount of $15,735.05 is now due and owing to the contractor, Spiniello Construction Co., for work due in connection with Section V of the Supplementary Joint Trunk Sewer in Essex and Union Counties, N. J., up to August 10, 1927.

Alexander Potter
Consulting Engineer

The following bills were read and on roll call ordered paid after being approved by the Auditing Committee.

Voucher No. 289, Sunday Call, Ad. for Sec. III, $20.02.

Voucher No. 290 Eng. News-Record Ad. for Sec. III, $68.00

The proposed contract with Linden was submitted and on motion referred to Counsel.

On motion the meeting adjourned at 4:40 P. M. to meet next Thursday.

Edward S. Rankin,
Secretary

Joint Meeting of August 18, 1927

(Construction)

A meeting of the Joint Meeting was held in the Newark City Hall on the above date at 3 P. M., Mayor Rollinson in the Chair and all municipalities represented except Irvington and Newark.

On motion the minutes of the last meeting were approved as printed.

Counsel reported on the Packard Construction Co. property and submitted form of deed which reserves the right to build over the sewer, the Joint Meeting to protect the sewer at their own expense. Mr. Pringle explained that this clause was insisted on by the company.

Moved that Counsel be authorized to negotiate and accept a deed from the Packard Construction Co. for a right of way 20 feet wide subject to the restrictive covenant mentioned in the deed. Carried on roll call.

Moved that the proper officers be authorized to issue a warrant for $1250 for the purchase of the above right of way to be delivered to Counsel for closing title. Carried on roll call.

Moved that it is the sense of this meeting that in no case shall any negotiations for rights of way be carried on without consulting with the right of way agents. Carried on roll call. After a general discussion on the matter of negotiating for rights of way, Mr. Martin withdrew his resignation.

Mr. Kline reported that Mr. Rosner, owner of property in Union, would give a right of way through his property provided the Joint Meeting would build a street over the line. Moved that the proposition be declined. Carried on roll call.

The Treasurer presented the following report which on motion was received and ordered printed.

August 11th, 1927.

To The Various Municipalities Comprising
The Joint Meeting,

Gentlemen:

The Treasurer respectfully reports that on the 14th day of July, 1927, the date of his last report, he had on deposit in The Hillside National Bank, the sum of $119,428.56.

The Treasurer further reports that he was allowed the sum of $124.99 interest and also that he received from the township of Millburn the sum of $13,636.36. He also reports that he has taken credit for a check in the amount of $200.00 which was issued November 4th, 1926 to P. N. Daniels and not used, so that the total amount of cash on hand was the sum of $133,389.91, as shown on Sechedule 1.

The Treasurer further reports that since the date of his last report he has executed warrants as shown on Schedule 2, hereunto annexed, amounting to $21,652.31, so that the total amount of cash on hand to date is $111,737.60.

All of which is respectfully submitted this eleventh day of August, 1927.

Richard S. Earl,
Treasurer

SCHEDULE 1

1927			
July 14th	Balance	$119,428.56	
	15th Ck. to P. N. Daniels 11-4-26 not used	200.00	
	28th Millburn	13,636.36	
	30th Interest for July	124.99	
			$133,389.91

SCHEDULE 2

1927		
August 4th	John R. Stanley, Inc.	$ 180.00
	H. J. Stanley, Inc.	162.50
	Alexander Potter	12,900.00
	South Orange Record	175.00
	Wm. S. Levins	83.33
	R. S. Earl	83.33
	H. J. Stanley	83.33
	Edward Hornbeck	83.33
	Wellington Campbell	83.33
	T. L. Raymond	83.33
	Henry Biringer	83.33
	E. M. Barradale	83.33
	O. O. Oaks	83.33
	A. B. Kline	83.33
	F. A. O'Connor	83.33
	E. S. Rankin	291.66

R. S. Earl	208.33	
S. H. Rollinson	208.33	
A. A. Saur	150.00	
L. J. Zehnbauer	150.00	
J. P. Martin	150.00	
Ira T. Redfern	150.00	
Thomas O'Connor	150.00	
Elizabethtown Water Co.	750.00	
Evening News Publishing Co.	27.20	
Elizabeth Journal	27.84	
Kemp Press	47.25	
E. S. Rankin	7.57	
E. G. Pringle & E. S. Rankin	5,000.00	
		$21,652.31
Cash On Hand		$111,737.60

The Secretary read a letter from the Spiniello Construction Co. complaining of the delay caused him by not having rights of way. On motion the letter was referred to Counsel for reply.

Mr. Pringle presented his bill for services for the past fourteen months. This and other bills were ordered paid if approved by the Auditing Committee.

Voucher No. 292—Alexander Potter, Services Section V, $858.57.

Voucher No. 293—Spiniello Construction Co. Est. No. 1, Section V, $15,735.05.

Voucher No. 295—Edward G. Pringle, Legal Services $5,278.90.

Moved that when we adjourn we adjourn to meet on Thursday, September first. Carried on roll call.

Moved that Counsel be authorized to accept a deed for a right of way on Union Avenue opposite Webster Street at not to exceed $1000, and that the deed may contain the same covenant as in the Packard deed. Carried on roll call.

In addition to the bills mentioned above, two bills for blue printing approved by the Engineer were also referred to the Auditing Committee which presented the following motion: Whereas the Auditing Committee are uncertain as to the pay-

ment of these bills it is moved that they be laid over until the next meeting. Carried on roll call.

On motion the meeting adjourned at 4:40 P. M.

Edward S. Rankin,
Secretary

Joint Meeting of Sept. 1, 1927

(Construction)

A meeting was called for the above date but there being no quorum present was adjourned to the following week.

Edward S. Rankin
Secretary

Joint Meeting of Sept. 8, 1927.

(Construction)

A meeting of the Joint Meeting was held in the Newark City Hall on the above date. Mayor Rollinson in the Chair and all municipalities represented except Millburn, Newark, Roselle Park, and South Orange.

Mr. Pringle and Mr. Potter being in conference with the Elizabeth Board of Works were not present but Mr. Potter's report was read by the Secretary.

To the
Joint Meeting.

Gentlemen:

SECTION III

I beg to report that work has been started to-day on the property of the Estate of James Morrison, owned by Philip Rose, above Stuyvesant Avenue. It was the original intention to start this work below Stuyvesant Avenue, but at the last moment the question of the ownership of the land arose and while a right-of-way had been agreed upon with Philip Rose, who assumed that he was the owner of the land, some action in law has prevented his taking title and there is a question as to whether the ownership of this land vests in the Union Cemetery Association or in Philip Rose.

In order to meet the situation, Mr. Zehnbauer from the beginning had the tacit consent of the Union Cemetery Association to grant the right-of-way parallel to the existing sewer; but recently the Secretary with whom he had been in negotiation had been displaced and new negotiations had been begun with those now in control in the event that Philip Rose fails to gain legal possession of the

property. If the property is to remain in the custody of the Cemetery Association and they should refuse to negotiate for a right of way on any reasonable terms, it is possible to change the route of the sewer so as to avoid the Cemetery property altogether.

In the meantime, we have directed the contractor to begin work above the Cemetery property, where he has the free right of way of only 800 feet before he strikes the property owned by Mr. J. K. Roesner and others. Through the territory in which it is proposed to construct a sewer across the property of James Morrison and Peter Ernst, the Township of Union has laid out and accepted streets which are not graded and no improvements put upon them at the present time. Mr. Roesner and his partners are willing to cede to the Joint Meeting the right of way across his property adjoining the Ernst tract if the Township of Union will permit him to lay out a street 60 feet wide and have such street accepted. I am of the opinion that the request of Mr. Roesner is eminently fair and that the Joint Meeting should expect the co-operation of the Township of Union in this regard. The Township of Union is sadly in need of the construction of the Joint Trunk Sewer, and if our operations are to be hampered by difficulities of securing rights of way, it is unfortunate.

The engineer of the Township of Union has approved the layout suggested by Mr. Roesner as being an essential street in the ultimate street layout of the Township. This is the only point at which the contractor can begin his operations, as work on other sections must await the delivery of cast iron pipe and pressure pipe which require at least 20 to 30 days for curing.

I have made physical tests both of the sand and cement used in the manufacture of concrete pipe.

SECTION IV

Plans and specifications are prepared as far as possible, considering the uncertainty as to whether the right-of-way for the sewer in the uppermost part of this section will be along the trolley tracks or through the Piper property.

SECTION V

Because of the excessive cost of right of way on either side of Lyons Avenue, a modification was made in the plan diverting the sewer into the bed of the Elizabeth River.

I am in receipt of a letter from the County Engineer, which reads as follows:

"I have had an opportunity to go over the proposed plans for the Joint Outlet Sewer through Irvington and am thoroughly satisfied with all crossings under County Roads with the exception of that at Lyons Avenue near Lincoln Place. At this location you propose to lay a 36" cast iron pipe in the bed of the brook under the County Bridge on Lyons Avenue. This is objectionable to the County as the conversion of this stream into a storm sewer is inevitable. The placing of this pipe at the location shown is likely to cause us some difficulity in the future in piping the stream. I must, therefore, advise that permits will be issued for all crossings with the exception of Lyons Avenue as outlined above and would suggest that you resubmit plans for this particular crossing."

Under the circumstances, it is essential that we go back to the original line as laid out and make such arrangements with the owners of the property as we can, for the construction of the sewer at its old location.

The work on this section is being prosecuted from several points, the total length that has been laid to date being about 2,700 feet. The average progress has been about 70 feet per day. This is somewhat behind the schedule to complete the job on time, but as the work done includes some of the larger and deeper cuts, it is expected that this average will come up to schedule before very long.

Respectfully submitted,
Alexander Potter

On motion the report was received.

There followed a discussion on the Lyons Avenue crossing and on the proposed street through Union. It was moved that the latter matter be referred to Counsel to confer with the Counsel of Union. Carried on roll call.

Moved that the action taken at the last meeting by the minority in paying the salaries is hereby ratified and confirmed. Carried on roll call.

The following bills were read and on roll call ordered paid if approved by the Auditing Committee.

296—Wm. S. Levins	Executive Committee	$83.33
297—R. S. Earl	" "	83.33
298—H. J. Stanley	" "	83.33
299—Edward Hornbeck	" "	83.33
300—Wellington Campbell	" "	83.33
301—T. L. Raymond	" "	83.33
302—Henry Biringer	" "	83.33
303—E. M. Barradale	" "	83.33
304—O. O. Oaks	" "	83.33
395—A. B. Kline	" "	83.33
306—F. A. O'Connor	" "	83.33
307—S. H. Rollinson	August Salary	
308—R. S. Earl	" "	208.33
309—E. S. Rankin	" "	291.66
310—A. A. Sauer	" "	150.00
311—L. J. Zehnbauer	" "	150.00
312—J. P. Martin	" "	150.00
313—Ira T. Redfern	" "	150.00
314—Thomas O'Connor	" "	150.00
315—Kemp Press	Printing Minutes	42.75
316—Kemp Press	Right of Way Blanks	5.25
317—Gallard, Roux & Co.	Stationery	8.50
318—E. S. Rankin	Expenses	6.69

On motion the two blue print bills were laid over for another week.

On motion the meeting adjourned at 3:30 P. M.

Edward S. Rankin
Secretary

(Maintenance)

The Maintenance Meeting was called to order at 3:35 P. M., Vice Chairman Stanley in the Chair, and the following municipalities represented: Irvington, Newark, Summit and West Orange.

The Treasurer presented the following report which on motion was received and ordered printed.

To the Various Municipalities
Comprising the Joint Sewer Meeting:

Gentlemen:—

The Treasurer respectfully reports that on the sixteenth day of June, 1927, the date of his last report, he had on deposit in the Orange National Bank, the sum of $1887.33 with warrants outstanding, aggregating $17.00, so that the total amount of cash on hand at the date of that report was the sum of $1870.33.

The Treasurer further reports that since the date of his last report he has deposited in the Orange National Bank, the sum of $669.00, and has been allowed interest by the Orange National Bank to the amount of $8.99, as shown on Schedule I hereunto annexed.

The Treasurer further reports that since the date of his last report he has executed warrants, as shown on Schedule II, hereunto annexed, amounting to $1844.42, so that the total amount of cash on hand at the date of this report is the sum of $703.90, with warrants Nos. 3372, 3383, 3513, and 3515, totaling $271.16, still outstanding, so that the Treasurer has on deposit in the Orange National Bank, the sum of $975.06.

All of which is respectfully submitted, this Eighth day of September, 1927.

Simeon H. Rollinson
Treasurer

SCHEDULE I.

BALANCE OF CASH ON HAND, June 16, 1927:		$1,870.33
DEPOSITS:-		
June 17—City of Newark	$650.00	
June 17—Edward S. Rankin	9.00	
Aug. 29—Tap Fee	10.00	
		669.00
Sept 8—Interest allowed by Bank		8.99
		$2,548.32

SCHEDULE II

Disbursements	Warrant No.	
June 17—H. J. Stanley	3494	$15.00
Wellington Campbell	3495	20.00
J. W. Costello	3496	10.00
E. M. Barradale	3497	15.00
O. O. Oaks	3498	5.00
F. A. O'Connor	3499	20.00
Kemp Press	3500	13.50
C. W. Sandford	3501	34.95
E. S. Rankin	3502	36.00
Alexander Potter	3503	83.33
C. W.Sandford	3504	225.00
J. J. Keating	3505	200.00
E. S. Rankin	3506	2916
Simeon H. Rollinson	3507	62.50
Alexander Potter	3508	83.33
C. W. Sandford	3509	225.00
J. J. Keating	3510	200.00
E. S. Rankin	3511	2916
Aug. 31—Alexander Potter	3512	83.33
C. W. Sandford	3513	225.00
J. J. Keating	3514	200.00
E. S. Rankin	3515	2916
		$1,844.42

BALANCE, CASH ON HAND, September 8, ..1927: $703.90

The following bills were read and on roll call ordered paid, when approved by the Auditing Committee.

Alexander Potter	March salary	83.33
C. W. Sandford	"	225.00
J. J. Keating	"	200.00
E. S. Rankin	"	29.16
Alex. Potter	June salary	83.33
C. W. Sandford	"	225.00
J. J. Keating	"	200.00
E. S. Rankin	"	29.16
S. H. Rollinson	2nd Quarter	62.50
Alex. Potter	July salary	83.33
C. W. Sandford	"	225.00
J. J. Keating	"	200.00
E. S. Rankin	"	29.16
Alex. Potter	August salary	83.33
C. W. Sandford	"	225.00
J. J. Keating	"	200.00
E. S. Rankin	"	29.16
Travelers Ins. Co.	Liability Premium	21.17
N. Y. Telephone Co.	Service	19.78
N. Y. Telephone Co.	"	15.60
Kemp Press	Printing Minutes	4.50
C. W. Sandford	Expense Account	14.50
C. W. Sandford	Auto Expenses	62.03
J. J. Keating	Expense Account	3.30
E. S. Rankin, Secy.	Petty Cash	212.00

On motion the meeting adjourned at 3.40 P. M.

E. S. Rankin
Secretary

Joint Meeting of Sept. 15, 1927

(Construction)

A meeting of the Joint Meeting was held in the Newark City Hall on the above date at three P. M., Mayor Rollinson in the Chair and all municipalities represented except Roselle Park and Summit.

On motion the minutes of the last meeting were approved as printed.

Counsel reported that the Elizabethtown Water Co. would require releases from all the municipalities. He also asked for authority to pay $876 for the Nimroth property with conditions similar to those imposed by the Packard Construction Co. On roll call this authority was given. The discription of this right of way follows:

FIRST TRACT being a strip of land ten (10') feet wide on the northwest and ten (10') feet wide on the southeast of the following described line:

BEGINNING at a point which is described and identified as follows:

Beginning at a point which is the intersection of the property lines on the southwesterly corner of Yale Avenue and Union Avenue in the Township of Union in the County of Union, thence North 43° 8' 30" West for a distance of 492.95 feet more or less along the southerly property line of Yale Avenue to a point

which said point above described and identified is the starting point for the center line of the right of way herein granted and which said center line is described as follows:

BEGINNING at the point above described and identified and running thence South 36° 28' 30" West for a distance of 61.92 feet, more or less, to the southerly property line of the property of said parties of the first part.

SECOND TRACT being a strip of land ten (10') feet wide on the northwest and ten (10') feet wide on the southeast of the following described line.

BEGINNING at a point which is described and identified as follows:

Beginning at a point at the intersection of the property lines on the northwesterly corner of Yale Avenue and Union Avenue in the Township of Union in the County of Union, thence North 43° 8' 30" West along the northerly property line of Yale Avenue 503.2 feet more or less to a point

which said point above described and identified is the starting point for the center line of the right of way herein granted and which said center line is described as follows:

BEGINNING at the point above described and identified and running thence North 34° 2' 30" East for a distance of eighty (80') feet more or less to a point on the northerly property line of the property of the parties of the first part.

TOGETHER WITH the use of a strip of land fifty (50') feet in width on the southeast side of and immediately adjoining each of the tracts of land above described and parallel to them, only during the period of construction of said Supplementary Joint Trunk Sewer; the surface of said adjoining fifty (50') foot strip of land to be left by the party of the second part as nearly as possible in its present condition immediately after completion of the sewer and thereafter not to be used for any purpose by the party of the second part.

The Engineer presented the following report:

To the

JOINT MEETING.

Gentlemen:

RIGHTS-OF-WAY—A conference was held last Thursday at the suggestion of the Board of Public Works, Elizabeth, which was attended by Mr. Pringle and myself. The Board protested against the great amount of flow that was coming down from the Joint Trunk Sewer, and attributed much of it to storm water being led into the sewers above the Elizabeth line. We stated that we knew of no such discharge excepting ground water infiltration, and that the only relief in sight from the conditions due to this surcharge was the construction of the Supplementary Joint Trunk Sewer which was awaiting the approval of the municipalities of Elizabeth and Linden.

The terms of the contract were gone into at considerable length and a copy of the proposed contract, including the changes which counsel and your engineer had tentatively agreed upon, was to have been forwarded to us. Certain of their demands we could not even tentatively approve, and these terms should be discussed at to-days meeting.

As reported before, a conference was held between the attorney of Linden and the counsel for the Joint Meeting and myself, at which we thrashed out a form of contract which in our judgment could be recommended to the Joint Meeting for approval.

After this preliminary meeting of the minds of counsel and engineer of the respective parties, further revisions of the ordinance were made and submitted to the City authorities not consistent with the provisions discussed in conference. In my judgment under no conditions can the Joint Meeting except these conditions to the agreed-upon form of contract. I would respectfully request instruction from the Joint Meeting as to how we shall proceed further.

BOROUGH OF ROSELLE—On Tuesday of this week a representative from my office attended the meeting of the Borough for the purpose of getting their tentative consent to the passage of the sewer through Rahway Avenue and Watson Avenue, made necessary by the change in line suggested by Elizabeth in order to avoid private rights-of-way. We were advised at this meeting that favorable action of our application will be taken at the next session of the Borough Council, and I would recommend that a form of contract be authorized covering the construction of a sewer through the streets of Roselle.

SECTION 11—No serious effort has been made to secure the bulk of the rights of way in this section until recently, because of the uncertainty as to the location of the sewage disposal plant. If the disposal plant is ultimately to be located in Union Township, changes in the size and also the location of the sewer in this section are probable.

SECTION 111—The contractor on this section is handicapped because of our inability to secure rights of way. The contractor has been using the old right of way of the Joint Trunk Sewer across the property now owned by J. K. Rosner, upon which to transport the material from the public highway to the site of the work. Mr. Rosner's request to

the Township of Union to accept a deed for a street 60 feet wide, in conformity with a plan prepared by the Township Engineer, has so far not been complied with. He is willing to dedicate a 60-foot street to the Township without any obligation on its part to improve such roadway, but he will not willingly grant a right of way for a sewer. He has threatened to issue injuction proceedings forthwith, denying us access to the land. If an injuction is secured preventing our access to his property, the contractor will be seriously embarrassed and the interests of the Joint Meeting jeopardized. It is to be sincerely hoped that this matter can be properly adjusted.

SECTION IV—The right of way agent on this section has been holding up the right of way for some time, because of the possibility of obtaining consent from the Public Service Co. to the use of the space now occupied by its tracks between Meadowbrook Lane and the West Orange town line. On Tuesday he reported to me that the Public Service Co. has given its consent to the use of its right of way. The right of way agreement has also been held up pending his negotiations with the telephone company to modify the line so as to avoid the crossing of South Orange Avenue at the river and certain properties over which it was thought difficulities might arise in securing rights of way.

On Tuesday, in company with Mr. Redfern, I called upon Mr. W. A. Manda, the florist on 3rd Street, South Orange, and he has consented to permit us to cross through his property 980 feet in length for the sum of $3,500, which amount takes care of all damage that may be done to the shrubbery during the process of the construction of the sewer. While this may appear to be a high price to pay for a right of way, especially through South Orange where most of the rights of way have been secured by us for small amounts, I believe that Manda's price is fair and equitable. Of this $3,500, $1,000 represents the value of the right of way proper and $2,500 (in round numbers) represents whatever damage may be done by reason of the removal of his nursery stock from the line of the right of way. I would recommend that the offer of Mr. Manda be accepted. To avoid his property altogether will add not less than $7,500 to the construction cost of the sewer.

Some time ago, I submitted to Mr. Hornbeck, at his request, a copy of the specifications in so far as they relate

to the crossing of the sewer over the grounds of the Maplewood Country Club. These have been revised in conformity to the suggestions of the Country Club and are incorporated in the specifications for Section IV.

No action has been taken by the Joint Meeting, however, upon the request of the Maplewood Country Club for a cash deposit for going across their land, nor has there been any agreement reached as to the charge demanded by the Country Club for the right of way proper over land upon which they own the fee. The demand of the Country Club and also of H. L. Pierson and Hicks for property leased to the Country Club is $2.50 per running foot, which I think is exceptionally high and which I think has not been acted upon. I would recommend that definite action be taken as to whether this offer of $2.50 per running foot should be accepted or whether the Joint Meeting would condemn the right across this land.

Section V—There are 22 pieces of rights of way upon which no option has yet been secured. On the bulk of this property there should be no difficulitty to secure the rights from the City of Newark and the Town of Irvington and also from the Board of Education, who have passed a resolution granting the right of the Joint Meeting to cross their property. Upon the rest of the property, however, options for rights of way should be closed as early as possible.

I submit herewith Estimate No. 2 for the construction of sewers in Section V, amounting to $55,771.63; also my bill for services.

There is no estimate submitted on Section III, the contractor having started work within a week.

Tests have been made both of the material furnished by the Lock Joint Pipe Co. for Section V and the Newark Concrete Pipe Co. for Section III, and the results of these tests exceed the specification requirements for strength from 25% to 75%. The tests of cement, sand and stone fully meet the requirments. Tests have also been made of the cast iron pipe for the upper end of Section V, and they also meet the requirements set forth in the specifications.

Respectfully submitted,
Alexander Potter.

On motion the report was received and ordered printed.

Mr. Potter also raised the question as to whether the chimneys for deep connections should be paid for by the Joint Meeting or by the municipaity in which they are located. On motion the question was referred to the Counsel and Engineer to report at the next meeting.

The Counsel and Engineer reported on their conferences with Elizabeth and Linden. After some discussion the contract with Linden was referred back to the Counsel and Engineer.

Moved that the contract with Roselle be referred to Counsel to prepare. Carried on roll call.

After some discussion on the right of way through the Rosner property it was moved that Counsel be authorized to start condemnation proceedings to acquire this right of way in accordance with the following resolution. Carried on roll call.

RESOLVED, by the Joint Meeting of the several municipalities constituting it, contracting for the construction and maintenance of a Supplementary Joint Trunk Sewer, that the said Joint Meeting deems it necessary and has determined to take and appropriate for the purpose of said improvement, the following described lands, real estate and interest therein shown on maps or plans on file in the office of the Joint Meeting, showing the location of the Supplementary Joint Trunk Sewer for the several municipalities comprising the Joint Meeting, prepared by Alexander Potter, Chief Engineer:

Plot No. 5, Section III, Supplementary Joint Trunk Sewer, belonging to the Liberty Development Company, the right to build, construct and maintain said Supplementary Joint Trunk Sewer within a strip of land 25 feet wide, which consists of a 15-foot right of way heretofore granted for the construction of the original Joint Trunk Sewer and a 10-foot additional strip immediately adjoining the same and on the southerly side thereof, the center line of said 25-foot strip being described as follows:

BEGINNING at a point on the boundry line between the property now or lately owned by Peter Ernst and the lands of the Liberty Development Company, at Station 62x12 of the existing Joint Trunk Sewer, said point being 5 feet south from the center line of the existing Joint Trunk Sewer; thence in a westerly direction

parallel to said existing Joint Trunk Sewer for a distance of 551 feet more or less.

Together with the temporary use and right of way during the period of construction only of an additional strip 30 feet wide immediately adjoining said 25-foot strip on the northerly side thereof and parallel to it, the center line of said 30-foot strip being described as follows:

BEGINNING at a point on the boundry line between the property now or lately owned by Peter Ernst and the lands of the Liberty Development Company, at Station 62x12 of the existing Joint Trunk Sewer, said point being 22½ feet north from the center line of the existing Joint Trunk Sewer; thence in a westerly direction parallel to said existing Joint Trunk Sewer for a distance of 551 feet more or less.

From the terminus of the above right of way, still over the property of the said Liberty Development Company, an easement 30 feet wide over the old line of the Peapack Railroad a distance of 785 feet more or less to Vauxhall Road,

AND BE IT FURTHER RESOLVED, that the said Joint Meeting deems a reasonable compensation for said lands and real estate therein to be paid to the owners thereof, subject to existing rights of the Joint Meeting in any of said lands, the following sums of money, and does authorize contracts to be made for the purchase of said lands and real estate and interest therein, for said sums of money following, viz.:

To the sum of $

Mr. Hornbeck stated that Mr. Sauer was ready to close a contract with the D. L. & W. R. R. On motion the matter was referred to Counsel to take up with the railroad.

Mr. Martin stated that the Clinton Cemetery Association was anxious to have the papers in their matter prepared. On motion this was referred to Counsel.

On motion of Dr. Campbell of the Auditing Committee the matter of the blue prints was referred to Counsel.

The Treasurer presented the following report which on motion was received and ordered printed.

To the Various Municipalities Comprising
The Joint Meeting.

Gentlemen:

The Treasurer respectfully reports that on the 11th day of August, 1927, the date of his last report, he had on deposit in The Hillside National Bank the sum of $111,737.60.

The Treasurer further reports that he was allowed the sum of $74.98 interest and also that he received from the Borough of Roselle Park the sum of $13,636.36, so that the total amount of cash on hand was the sum of $125,448.94, as shown on Schedule 1.

The Treasurer further reports that since the date of his last report he has executed warrants as shown on Schedule 2, hereunto annexed, amounting to $24,398.68, so that the total amount of cash on hand to date is $101,050.26.

All of which is respectfully submitted this fifteenth day of September, 1927.

Richard S. Earl,
Treasurer.

SCHEDULE 1

1927		
Aug. 11th—Balance	$111,737.60	
Aug. 31st—Interest	74.98	
Sept. 8th— Roselle Park	13,636.36	
		$125,448.94

SCHEDULE 2

1927	
Sept. 8th— Sunday Call	20.02
— Eng. News Rec.	68.00
— Alexander Potter	858.57
— Spiniello Construction Co.	15,735.05
— Ed. G. Pringle	5,278.90
— Wm. S. Levins	83.33
— R. S. Earl	83.33
— H. J. Stanley	83.33
— Edward Hornbeck	83.33
— Wellington Campbell	83.33

— T. L. Raymond	83.33
— Henry Biringer	83.33
— E. M. Barradale	83.33
— O. O. Oaks	83.33
— A. B. Kline	83.33
— F. A. O'Connor	83.33
— S. H. Rollinson	208.33
— R. S. Earl	208.33
— E. S. Rankin	291.66
— A. A. Sauer	150.00
— L. J. Zehnbauer	150.00
— J. P. Martin	150.00
— Ira T. Redfern	150.00
— Thomas O'Connor	150.00
— Kemp Press	42.75
— Kemp Press	5.25
— Gallard Roux & Co	8.50
— E. S. Rankin	6.69
	$24,398.68
Cash on Hand	$101,050.26

On motion the meeting adjourned at 4:15 P. M.

Edward S. Rankin
Secretary

(Maintenance)

The Maintenance Body was called to order by Chairman Campbell at 4:20 P. H., all municipalities being representated except Summit.

The following Resolution was presented and carried on roll call.

RESOLVED: That the several Municipalities do raise and pay to the Treasurer of the Joint Meeting the sum of $2275.00 which shall be assessed upon the Joint Municipalities in the proportion fixed by the contract between the the several Municipalities as provided for the care and maintenance of the Joint Sewer, i. e., each Municipality paying an equal amount of one-seventh of such assessment

(excepting the City of Newark, which shall pay two-sevenths or one-sevenths for Newark and one-seventh for Vailsburg), and further that the Secretary be directed to notify the various Municipalities of such assessment and the proportion to be paid by each; and be it further

RESOLVED: That the said monies be paid to the Treasurer of the Joint Meeting within twenty days of the 15th day of September, 1927.

This is the assessment for the 3rd quarter of 1927.

Moved that the action of Dr. Campbell in retaining Mr. Pringle in the matter of the house being built over the sewer in Irvington be approved. Carried.

Mr. Potter stated that the truck used by Mr. Sandford was nearly worn out and that Mr. Sandford had asked for a new one.

On motion the matter was referred to Mr. Stanley as a Committee of one to report at the next meeting. Carried.

On motion the meeting adjourned at 4:40 P. M.

Edward S. Rankin
Secretary

Joint Meeting of Sept. 22, 1927

(Construction)

A meeting of the Joint Meeting for construction was held on the above date at the Newark City Hall, Mayor Rollinson in the Chair and all Municipalities represented except Maplewood, Newark, Roselle Park, and South Orange.

Counsel called attention to the omission in the last minutes of the name of the owner of the property to be condemned and of the amount offered. The name, Liberty Development Company and the amount, $517,00 were ordered inserted after which the minutes were approved as printed.

Secretary reported that since the last meeting the Liberty Development Company and the owner and others interested in Plot No. 5, Section III, of the Supplementary Joint Trunk Sewer appeared in person before the Joint Meeting and were interviewed in regard to obtaining the right of way for the sewer described in the resolution adopted at the last meeting and that they had been unable to come to an agreement with them to sell the right of way through said premises.

Mr. O'Connor moved the adoption of the following resolution.

"Resolved, That the Joint Meeting having failed to agree with the owners, occupants and others interested in the price to be paid for the right of way through Plot No. 5, Section III, of the Supplementary Joint Trunk Sewer belonging to Liberty Development Company, that Counsel be directed to take action to bring the matter before a commission to condemn the right of way through said property.

Counsel presented an opinion on the blue print bills which on motion was received and ordered filled.

Counsel also made a statement regarding rights of way and he was authorized to carry on negotiations through Mr. Jacob L. Lenox, Mr. Potter's resident engineer.

Mr. Potter presented the following report which on motion was received and ordered printed.

To the
JOINT MEETING.

Gentlemen:

I submit herewith plans and specifications for the construction of sewers, Section IV.

Most of the right of way on this section is in such condition that it can be entirely cleaned up provided an agreement is reached forthwith with the Maplewood Country Club. As one of the conditions of the Maplewood Country Club is that construction shall begin the middle of October and terminate in February or March, we have no time to lose in getting started upon this work.

At the last session of the Joint Meeting I made a recommendation for the purchase of the Manda right of way, which should be acted upon at once. It may be necessary to issue condemnation proceedings on two small tracts at the lower end of this sewer, but the work is at such point that it will not hold up construction.

We have not yet received from Elizabeth the copy of the agreement for the right of way through that city.

Since the last session of the Joint Meeting we had a conference with the attorneys of the Linden authorities, and they do not desire to recede from the position taken by them as expressed in clause 18 of the ordinance. A draft of this ordinance was prepared in a conference between the representatives of the Joint Meeting and the Linden authorities, but it contained no such provision as set forth in said clause which prohibits the Joint Meeting to construct a sewage disposal plant in Linden. I am, therefore, strongly of the opinion that if the Supplementary Joint Trunk Sewer is to be constructed along the lines laid out upon the plan and approved by the State Board of Health and the Joint Meeting, no time should be lost in instituting condemnation proceedings giving us the right to construct the sewer through the City of Linden.

I would suggest that the question raised informally at the last meeting, of charging the cost of the riser pipes in the Supplementary Joint Trunk Sewer to meet the con-

venience of the municipalities through which the sewer passes, be taken up and disposed of. The specifications for Section V are silent in the matter of where these risers should be constructed, but at the time the sewer was designed no part required risers to be constructed, the line on Webster St. having been decided upon after the contract was signed to better meet the convenience of the City of Newark and the Town of Irvington, in place of the sewer constructed up Lyons Avenue to the Newark City Line.

Respectfully submitted,

Alexander Potter

On roll call the plans and specifications for Section IV were referred to the Committee on specifications.

Moved that the recommendation regarding the Manda right of way be concurred in. Carried on roll call.

Moved that the recommendation regarding condemnation proceedings be laid over one week. Carried on roll call.

Moved that the riser pipes be paid for as part of the contract. Carried on roll call.

Moved that the Secretary be instructed to have Mr. Martin ascertain at what price the fee in the land at the Lyons Avenue crossing can be obtained for. Carried on roll call.

The Secretary read a letter from Mr. Roessner which on motion was received and ordered filed. Mr. Roessner being present made a statement as to the terms on which he would grant the right of way, and after considerable discussion it was moved that Counsel be authorized to enter into an agreement with the Liberty Development Company for a right of way over their property on the following terms: The Joint Meeting to grade for a width of 60 feet to the grade to be established by the Township Engineer, as far as the sewer is to be constructed, approximately 550 feet. The balance of the property to be restored to its original condition to the satisfaction of the Company. Carried on roll call.

The following bills, approved last week were presented for payment.

Voucher No. 319—Alexander Potter, Commission $2,572.89

Voucher No. 320—Spiniello Const. Co., Sec. V. Est. 2, $55,771.63.

The estimate follows:

JOINT MEETING
SUPPLEMENTARY JOINT TRUNK SEWER
SECTION V

SPINIELLO CONSTRUCTION CO.
CONTRACTOR

Monthly Approximate Estimate No. 2

September 10, 1927

ITEM	DESCRIPTION			
1A-1—	688.18 cu. yds. Class "A" Rock Excavation depth 0-10'	@ $	3.00	$ 2,064.54
1A-2—	1,142.24 cu. yds. Class "A" Rock Excavation depth over 10'	@	5.00	5,711.20
1B-—	1,952.34 cu. yds. Class "B" Rock Excavation Depth 0-10'	@	2.00	3,904.68
1B-2—	205.31 cu. yds. Class "B" Rock Excavation depth over 10'	@	2.25	461.95
1C-1—	31.41 cu. yds. Class "C" Quicksand depth 0-10'	@	4.00	125.64
1C-2—	85.59 cu. yds. Class "C" Quicksand depth over 10'	@	4.00	342.36
1D-1—	4,049.11 cu. yds. Class "D" Earth Excavation depth 0-10'	@	1.75	7,085.94
1D-2—	385.85 cu. yds. Class "D" Earth Excavation depth over 10'	@	4.00	1,543.40
3 —	614 lin. ft. 6" Underdrains	@	.10	61.40
4 —	53.546 M ft. B. M. Timber left in place	@	55.00	2,945.03
4A —	1.8 M ft. B. M. Creosoted Timber	@	250.00	450.00
6 —	20.3 sq. yds. Temporary Pavements	@	1.00	20.30
8A —	8.45 cu. yds. Class "A" Concrete	@	30.00	253.50
8C —	41.64 cu. yds. Class "C" Concrete	@	16.00	666.24
8D —	73.26 cu. yds. Class "D" Concrete	@	10.00	732.60
11A —	139.0 ft. 42" Sewer, R. C., 0-8' deep	@	6.05	840.95
—	90.0 ft. 42" Sewer, R. C. 8-12' deep	@	6.10	549.00
—	38.5 ft. 42" Sewer, R. C. 12-16' deep	@	6.15	236.78
11B —	636.5 ft. 33" Sewer, R. C. 0-8' deep	@	4.55	2,896.08

—	569.0 ft. 33" Sewer, R. C., 8-12' deep	@	4.60	2,617.40
11E —	620.0 ft. 24" Sewer, R. C., 8-12' deep	@	3.25	2,015.00
—	280.0 ft. 24" Sewer, R. C., 12-16' deep	@	3.30	924.00
12A —	835.4 ft. 42" Pressure Pipe, R. C.	@	11.00	9,189.40
13C —	125.0 ft. 20" Sewer, Vitrified 0-8' deep	@	3.00	375.00
—	185.0 ft. 20" Sewer, Vitrified, 8-12' deep	@	3.05	564.25
—	30.0 ft. 20" Sewer, Vitrified, 12-16' deep	@	3.10	93.00
—	39.0 ft. 20" Sewer, Vitrified, 16-20' deep	@	3.15	122.85
16 —	8 Manholes, 0-10' deep	@	100.00	800.00
16A —	22 ft. Extra Depth of Manholes	@	15.00	330.00
16E —	1 Pressure Manholes	@	10.00	1,569.40
19 —	44,502 sq. ft. Bituminous Coating	@	10.00	1,584.00
20 —	156.94 cu. yds. Broken Stone	@	100.00	100.00
21B —	72 ft. 42" Class "A" Cast Iron Pipe	@	22.00	1,584.00
—	Premium on Bond			6,764.04
				$62,390.13
	Less 15% retained			9,358.51
				$53,031.62

MATERIAL ON HAND

900 ft. 42" Pressure Pipe	@	$ 6.50	$ 5,850.00
600 ft. 42" Concrete Pipe	@	4.00	2,400.00
100 ft. 24" Concrete Pipe	@	1.60	160.00
2,200 ft. 20" Vitrified Pipe	@	1.50	3,300.00
360 ft. 18" Vitrified Pipe	@	1.20	432.00
1,800 ft. 15" Vitrified Pipe	@	.75	1,350.00
1,800 ft. 6" Vitrified Pipe	@	.1375	247.50
40.56 tons 42" C. I. Pipe (156 ft.)	@	44.60	1,808.98
79.6 tons 36" C. I. Pipe (348 ft.)	@	46.60	3,609.36
108 ft. 18" C. I. Pipe	@	3.15	340.20
13,712 lbs. C. I. Specials	@	.0625	857.00
2,160 lbs. C. I. Specials	@	.08	172.80
Value of Material on Hand			$20,527.84
Less 10% retained			2,052.78
90% of Value of Material on Hand			18,475.06
			$71,506.68
Less previous payment (Estimate No. 1)			15,735.05
AMOUNT DUE CONTRACTOR			$55,771.63

I hereby certify that the above amount of $55,771.63 is now due and owing to the contractor, Spiniello Construction Co., for work done in connection with Section V of the Supplementary Joint Trunk Sewer in Essex and Union Counties, N. J., up to September 10, 1927.

ALEXANDER POTTER
Consulting Engineer

On motion the meeting adjourned at 4:30 P. M.

EDWARD S. RANKIN
Secretary

Joint Meeting of Sept. 29, 1927

(Construction)

A meeting of the Joint Meeting was held in the Newark City Hall on the above date at three P. M., Mayor Rollinson in the Chair and all municipalities present except Roselle Park.

Mr. Pringle asked to have the minutes of the last meeting corrected by adding the words "descriptions of " before "Rights of way" at the bottom of page 295. With this correction the minutes were approved as printed .

Counsel reported that there would be a meeting at Linden on October 5th which he and the Engineer would attend. He also reported progress on the Maplewood Country Club and Lackawanna rights of way .

Mr. Potter presented the following report.

To the
JOINT MEETING.

Gentlemen:

About a week ago I ordered the Spiniello Construction Co. to proceed with the construction of sidewalks on Lyons Avenue, which they were forced to remove in order to place the sewer on the sidewalk. They have refused to do so until such time as some arragements are made with them as to proper compensation for doing this wark.

I advised Mr. Spiniello that I did not see that there was any question of compensation involved, for the simple reason that according to the contract he is required to build this sidewalk at the unit price set forth in his bid, namely, 28 cents per square yard: He stated that this price was in error because for the first time in his experience as a contractor, he was asked to bid upon sidewalk work per square yard; the invariable rule being to bid on the square foot basis; and when he bid 28 cents he claims that he assumed we were asking a price per square foot and not per square yard; In my opinion, a price of 28 cents per square foot is a just and legitimate figure for laying sidewalks.

You will recall that before Spiniello's bid was accepted, I called the attention of the Joint Meeting to this absurd figure in his bid and asked the Joint Meeting whether or

not we should give the contractor the right to change his bid to conform with what this work was reasonably worth and not at the clearly unbalanced figure submitted apparently in error, which any intelligent person could see at a glance was not within 10% of its true value. The Joint Meeting accepted the proposal at its face value and awarded the contract to Spiniello at 28 cents per square yard.

Upon my insistence that the contractor proceed with this work at the price of 28 cents per square yard, because the Joint Meeting was well aware of the fact that the bid fixed this price, the contractor called my attention to the fact that the Joint Meeting had no right to award him this contract at any such absurd price for laying sidewalks because it is a direct violation of 'Instructions to Bidders' which forms a part of the contract, in which it says:

"Bids which are obviously unbalanced will be rejected."

The 'Instructions to Bidders' also state:

"The price bid on each item must fairly represent its value."

As Mr. Spiniello refuses to proceed with this work until he has some agreement with the Joint Meeting to pay him approximately what this important item of the work is really worth, I must ask what course I shall pursue in the matter.

Respectfully submitted,

Alexander Potter

On motion the matter was referred to Counsel and Engineer for report.

Mr. Potter also presented a further report.

To the
JOINT MEETING.

Gentlemen:

I submit herewith form of advertisement for the construction of Section IV, plans and specifications for which were submitted at the last meeting and referred to the Specifications Committee.

A meeting of the Specifications Committee was held yesterday in Mr. Barradale's office, which will be reported by Mr. Barradale.

There has been no change in the contract provisions for Section IV. The principal change in the specifications of that section over those for Sections III and V is a detailed specification describing the manner in which we are obliged to restore the grounds across the Maplewood Country Club, provision for crossing under the coal trestle at South Orange, and reference to the crossing of the Rahway River. A provision has been inserted for embankment; also the pay line for excavation of sheeted trenches has been made more specific by limiting the width of trench to that required with 6" rangers and 2" sheeting. The contractor must remove any excavation outside of these limits without cost to the Joint Meeting if he prefers to use larger braces or thicker sheeting than specified above.

New items have been added to the list of quanities covering the top soil, seeding, restoration of roadways and other work that we are called upon to do for the Maplewood Country Club.

Additions have been made to the index to cover the additional items called for in the specifications.

In reference to the rights of way on Section IV, I have secured from Mr. Pierson a reduction in the fixed price of $2.50 per foot which he demanded for the right to cross 1,220 feet of his land now used by the Maplewood Country Club. Mr. Pierson has conferred with the other owners of land leased to the Country Club, and they have all agreed to accept $2.25 as against their asking price of $2.50 per foot for the right of way.

An agreement has been reached through Mr. Redfern's negotiations with the Public Service Corporation, for the right of way from Mountainhouse Road to the South Orange-West Orange line.

The terms of securing the rights of way on substantially all of Section IV are agreed upon. Mr. Redfern informs me that the right of way for that portion of the sewer lying between 3rd Street and South Orange Avenue can be closed up within a week. Mr. Zehnbauer advises me that the 150 and 190-foot pieces owned by Samuel Gilman at the

lower end of Section IV can probably be secured without resort to condemnation. Under these circumstances, I can see no neason why practically all of the rights of way cannot be actually closed before we are ready to award a contract for this section. I would consequently recommend that the work be advertised at the earliest possible moment because the County is urging us to construct our sewer across Vauxhall Road before the paving of that thoroughfare, and also because under the agreement with the Country Club we are given the months of October, November, December, and January in which to construct this sewer across their lands.

Mr. Zehnbauer has been having difficulity in closing certain rights of way west of the tunnel, the owners holding up the signing of the agreement with him awaiting the outcome of negotiations between the Liberty Land Co. and the Joint Meeting. Sometime ago they flatfootedly rejected the offer of Mr. Zehnbauer of $1.00 per foot, but they have now agreed to accept $1.25 per foot for the sewer as it crosses their property. I recommended to Mr. Zehnbauer that he get an option from them at that price. The length involved is a substantial portion of the right of way, being as follows:

Joseph Amberg.....791 feet
Stephen Perger ..... 342 feet
Matthew Angelo .....440 feet

The securing of these rights of way cleans up the entire right of way situation on Section III, with the exception of the Union Cemetery Association. Mr. Herman L. Koenig, the attorney for the Cemetery Association, is of the opinion that this matter will be closed within a week. He advises me that the president of the Cemetery Association died four days ago, which has held up the matter for a little while, but that he expect to get the Executive Committee of the Union Cemetery Association together within the next few days.

The right of way situation in Section V is not so satisfactory, and there may be special reports at to-day's meeting from Mr. Pringle and Mr. Martin in the matter.

In Section V the construction of the sewer is progressing at a satisfactory rate of speed, considering the handicaps with which the contractor has had to contend.

Work on Sections I and II is being held up entirely because of our uncertainty as to the final location of the sewage disposal plant. According to the opinion of Judge Whittemore, the people of Linden are opposed to permitting us to construct a sewage disposal plant in their city. The construction of a sewage disposal plant cannot be put off indefinitely, for the volume of sewage entering into the river is increasing as more sewers are being connected to the Joint Trunk Sewer. The Township of Hillside has spent large sums of money for the construction of their local sewerage system, expecting to be able to make use of the sewers within a reasonable length of time. It will be a calamity therefore if, by reason of the failure to undertake the construction of a disposal plant, the people of Hillside should be denied the use of the sewerage facilities of which they stand so much in need. Similary, the right of the Township of Union to use the trunk sewer for its lateral system has certain limitations which cannot be extended indefinitely. Unless some prompt action is taken to definitely locate a sewage disposal plant where it can be constructed, or unless some modification is made in the plans so that no matter where the sewage disposal plant is constructed the Joint Trunk Sewer can be completed to tidewater, Union may find itself seriously restricted in the use of the Joint Trunk Sewer.

Under the contract, the Joint Meeting has to provide metering devices for measuring the flow of the sewage from the various municipalities. The most economical place to locate a meter to measure the flow of the Hillside sewage is at the Township pumping station, which is not on the line of the Joint Trunk Sewer, being about 1,000 feet remote from the same. I should like to have the authorization to proceed with the necessary plans and specifications for the construction of the Venturi meter at the above-mentioned location within the Township of Hillside.

Respectfully submitted,

Alexander Potter

Moved that we accept Mr. Pierson's offer at $2.25 per foot. Carried on roll call.

Moved that we purchase rights of way through the Amberg, Perger and Angelo properties of $1.25 per foot. Carried on roll call.

Moved that Mr. Potter's recommendation to construct a Venturi meter at the Hillside pumping station be approved. Carried on roll call.

Counsel recommended that the Hillside Township authorities be asked to pass a resolution granting permission to do this work. This was referred to Mr. Earl.

Mr. Barradale reported that the Contract Committee has gone over the contract and specifications for Section IV and approved them, but recommended that they be not printed until they had the approval of the Maplewood Country Club so far as they referred to the work through their property. Moved that the recommendation be approved. Carried on roll call.

On motion the report of the Engineer was received and ordered printed.

Mr. Martin reported that the owners of the Lyons Avenue property wanted $3000 for the right of way through their property or $6000 for the fee for 20 feet.

The following resolution was then presented and on roll call carried.

> RESOLVED, by the Joint Meeting of the several municipalities constituting it, contracting for the construction and maintenance of a Supplementary Joint Trunk Sewer, that the said Joint Meeting deems it necessary and has determined to take and appropriate for the purpose of said improvement, the following described lands, real estate and interest therin shown on maps or plans on file in the office of the Joint Meeting, showing the location of the Supplementary Joint Trunk Sewer for the several municipalities comprising the Joint Meeting, prepared by Alexander Potter, Chief Engineer:

Property belonging to Lewis Hunter on Lyons Avenue, Irvington.

Beginning at a point on the southerly property line of Lyons Avenue 23.3 feet easterly from the centre line of the Elizabeth River, said centre line being the westerly property line of the said Lewis Hunter, thence running South 33° 41' West, one hundred and sixteen and one half feet more or less (116.5) to the southerly property line of said Lewis Hunter, said line being the centre line of a right of way twenty feet wide.

Together with the temporary use and right of way during the period of construction only of an additional strip 50 feet wide immediately adjoining said 20 foot strip on the easterly erly side thereof and parallel to it.

AND BE IT FURTHER RESOLVED, that the said Joint Meeting deems a reasonable compensation for said lands and real estate therein to be paid to the owners thereof, subject to existing rights of the Joint Meeting in any of said lands, the following sums of money, and does authorize contracts to be made for the purchase of said lands and real estate and interest therein, for said sums of money following, viz.:

To Lewis Hunter the sum of $400.

The following resolution was then presented and on roll call carried.

RESOLVED, by the Joint Meeting of the several municipalities constituting it, contracting for the construction and maintenance of a Supplementary Joint Trunk Sewer, that the said Joint Meeting deems it necessary and has determined to take and appropriate for the purpose of said improvement, the following described lands, real estate and interest therin shown on maps or plans on file in the office of the Joint Meeting, showing the location of the Supplementary Joint Trunk Sewer for the several municipalities comprising the Joint Meeting, prepared by Alexander Potter, Chief Engineer:

Property belonging to the Ultimate Realty Company, on Lyons Avenue, Irvington.

> Beginning at a point on the northerly property line of Lyons Avenue, ten feet easterly from the centre line of the Elizabeth River, said centre line being the westerly property line of said Ultimate Realty Co., thence running North 46° 09' East ,two hundred and twenty eight feet, more or less (228') to the northerly property line of the property of the said Ultimate Realty Co., said line being the centre line of a right of way twenty feet wide.

Together with the temporary use and right of way during the period of construction only of an additional strip 50 feet wide immediately adjoining said 20 foot strip on the easterly side thereof and parallel to it.

AND BE IT FURTHER RESOLVED, that the said Joint Meeting deems a reasonable compensation for said lands and real estate therein to be paid to the owners thereof, subject to existing rights of the Joint Meeting in any of said lands, the following sums of money, and does authorize contracts to be made for the purchase of said lands and real estate and interest therein, for said sums of money following, viz.:

To Ultimate Realty Co., the sum of $400.

Mr. O'Connor reported progress on right of way through the McKim and Johnson property.

Mr. Potter reported that the paving of Yale Avenue was being held up until the sewer was built across the road and said that Mr. Dorer, the contractor, has agreed to leave out a section of the pavement until the sewer was completed if the Joint Meeting would pay him $75.00 for the extra expense which it would cause him. Mr. Barradale moved that the sum of seventy-five dollars be paid to John Dorer, contractor now paving Yale Avenue, in full settlement of all claims against the Joint Meeting or the Town of Irvington or both, because of any delay in the completion of his work with said Town of Irvington or of any other damage sustained by him on account of his agreement to pave said street over the Joint Sewer at this point. Carried on roll Call.

The Secretary read a letter from the Kemp Press asking for additional compensation for printing tabular matter in the minutes. On roll call the Secretary was authorized to pay five dollars a page for this work.

The following resolution was read and on roll call carried.

RESOLVED: That the several Municipalities do raise and pay to the Treasurer of the Joint Meeting the sum of $150.000 which shall be assessed upon the Joint Municipalities in the proportion fixed by the contract between the several municipalities in accordance with Article IV, Section 5 of said contract; and be it further

RESOLVED: That the Secretary be directed to notify the various Municipalities of such assessment and the proportions to be paid by each: and be it further

RESOLVED: That the said monies be paid to the Treasurer of the Joint Meeting within thirty days of the 29th day of September, 1927.

On motion the meeting adjourned at 3:45 P. M.

Edward S. Rankin,

Secretary.

Joint Meeting of Oct. 6, 1927.

(Construction)

A meeting of the Joint Meeting was held on the above date in the Newark City Hall at 3 P. M., Mayor Rollinson in the Chair and all municipalities represented except Newark.

On motion the minutes of the last meeting were approved as printed.

Mr. Pringle reported that the agreement with the Maplewood Country Club was completed and was now in the hands of Mr. Salmon who had promised speedy action.

Mr. Potter presented the specifications for the Venturi meter at the Hillside Pumping Station. Moved that the specifications be referred to the Committee on Specifications. Carried on roll call.

Mr. Earl said that the necessary resolution had been passed by the Hillside Township Committee.

Mr. Potter recommended the printing of the specifications for Section 4. Mr. Barradale objected on the ground that they had not yet been approved by the Maplewood Country Club. Moved that the matter be laid over until next meeting. Carried on roll call.

Mr. Hornbeck reported on other Maplewood rights of way.

A discussion followed on the matter of the compensation to be paid the Spiniello Construction Company for sidewalks. It was finally moved that the matter be referred to the Executive Committee to report at our next meeting. Carried on roll call.

Mr. Potter stated that it had seemed best not to attend the meeting of the Linden Township Committee on Wednesday evening.

Mr. Zehnbauer reported that he was unable to agree with the owners of certain properties, and the following resolutions were presented and carried on roll call.

> RESOLVED, by the Joint Meeting of the several municipalities constituting it, contracting for the construction and maintenance of a Supplementary Joint Trunk Sewer,

that the said Joint Meeting deems it necessary and has determined to take and appropriate for the purpose of said improvements, the following described lands, real estate and interest therein shown on maps or plans on file in the office of the Joint Meeting, showing the location of the Supplementary Joint Trunk Sewer for the several municipalities comprising the Joint Meeting, prepared by Alexander Potter, Chief Engineer:

Beginning at a point on the southerly property line of Harold Street 458.1 feet westerly along said line from the westerly side of Springfield Avenue, being also 81.5 feet westerly from the line between lots 13 and 14 as shown on a map of the property of the New Idea Realty Co. prepared by Harrison Van Duyne & Sons and dated August, 1911; the center of a 20-foot right of way extends S 29° 53' 40" W 115.4 feet more or less.

And BE IT FURTHER RESOLVED, that the said Joint Meeting deems a reasonable compensation for said lands and real estate therein to be paid to the owners thereof, subject to existing rights of the Joint Meeting in any of said lands, the following sums of money, and does authorize contracts to be made for the purchase of said lands and real estate and interest therein, for said sums of money following, viz.:

To Samuel Gillman, $25.00.

RESOLVED, by the Joint Meeting of the several municipalities constituting it, contracting for the construction and maintenance of a Supplementary Joint Trunk Sewer, that the said Joint Meeting deems it necessary and has determined to take and appropriate for the purpose of said improvements, the following described lands, real estate and interest therein shown on maps or plans on file in the office of the Joint Meeting, showing the location of the Supplementary Joint Trunk Sewer for the several municipalities comprising the Joint Meeting, prepared by Alexander Potter, Chief Engineer:

Beginning at a point on the northerly side of Harold Street 499.5 feet westerly along said line from the westerly side of Springfield Road, said right of way being 10 feet westerly from and parallel to the line between lots 16 and 17, as shown on a map of the property of the New Idea

Realty Co. prepared by Harrison Van Duyne & Sons and dated August, 1911; the center of a 20 foot right of way extends N 56° 30' E 100 feet.

And BE IT FURTHER RESOLVED, that the said Joint Meeting deems a reasonable compensation for said lands and real estate therein to be paid to the owners thereof, subject to existing rights of the Joint Meeting in any of said lands, the following sums of money, and does authorize contracts to be made for the purchase of said lands and real estate and interest therein, for said sums of money following, viz.:

To Mathew Gerowitz, $25.00.

RESOLVED, by the Joint Meeting of the several municipalities constituting it, contracting for the construction and maintenance of a Supplementary Joint Trunk Sewer, that the said Joint Meeting deems it necessary and has determined to take and appropriate for the purpose of said improvements, the following described lands, real estate and interest therein shown on maps or plans on file in the office of the Joint Meeting, showing the location of the Supplementary Joint Trunk Sewer for the several municipalities comprising the Joint Meeting, prepared by Alexander Potter, Chief Engineer:

Beginning at a point on the southerly side of Greenfield Street 502 feet westerly along the said line from the westerly side of Valley Street, the center of a 20-foot right of way extends S 56° 30' W 100 feet, said right of way being 38 feet westerly from and parallel to the line between lots 51 and 52 as shown on a map of the property of the New Idea Realty Co. prepared by Harrison Van Duyne & sons and dated August, 1911.

And BE IT FURTHER RESOLVED, that the said Joint Meeting deems a reasonable compensation for said lands and real estate therein to be paid to the owners thereof, subject to existing rights of the Joint Meeting in any of said lands, the following sums of money, and does authorize contracts to be made for the purchase of said lands and real estate and interest therein, for said sums of money following, viz.:

To A. Broder, $25.00.

RESOLVED, by the Joint Meeting of the several municipalities constituting it, contracting for the construction and maintenance of a Supplementary Joint Trunk Sewer, that the said Joint Meeting deems it necessary and as determined to take and appropriate for the purpose of said improvements, the following described lands, real estate and interest therein shown on maps or plans on file in the office of the Joint Meeting, showing the location of the Supplementary Joint Trunk Sewer for the several municipalities comprising the Joint Meeting, prepared by Alexander Potter, Chief Engineer:

Beginning at a point on the northerly side of Greenfield Street 527 feet westerly along the said side from the westerly side of Valley Street, being also 7 feet westerly from the line between lots 55 and 56, as shown on a map of the property of the New Idea Realty Co. prepared by Harrison Van Duyne & Sons and dated August, 1911; the center of a 20-foot right of way extends N 35° 36' 10" E 58.9 feet more or less.

And BE IT FURTHER RESOLVED, that the said Joint Meeting deems a reasonable compensation for said lands and real estate therein to be paid to the owners thereof, subject to existing rights of the Joint Meeting in any of said lands, the following sums of money, and does authorize contracts to be made for the purchase of said lands and real estate and interest therein, for said sums of money following, viz.:

To Sol Shaw, $25.00.

RESOLVED, by the Joint Meeting of the several municipalities constituting it, contracting for the construction and maintenance of a Supplementary Joint Trunk Sewer, that the said Joint Meeting deems it necessary and has determined to take and appropriate for the purpose of said improvements, the following described lands, real estate and interest therein shown on maps or plans on file in the office of the Joint Meeting, showing the location of the Supplementary Joint Trunk Sewer for the several municipalities comprising the Joint Meeting, prepared by Alexander Potter, Chief Engineer:

Beginning at a point 548 feet westerly from the westerly side of Valley Street measured at a right angle thereto

and also 55 feet northerly from the northerly side of Greenfield Street measured at a right andgle thereto, said beginning point being also 55 feet northerly from the northerly side of Greenfield Street along the line between lots 54 and 55, as shown on a map of the property of the New Idea Realty Co. prepared by Harrison Van Duyne & Sons and dated August, 1911; the center of a 20-foot right of way extends N 35° 36, 10" E 61.2 feet more or less.

And BE IT FURTHER RESOLVED, that the said Joint Meeting deems a reasonable compensation for said lands and real estate therein to be paid to the owners thereof, subject to existing rights of the Joint Meeting in any of said lands, the following sums of money, and does authorize contracts to be made for the purchase of said lands and real estate and interest therein, for said sums of money following, viz.:

To Maurice Gillman, $25.00.

Mr. Martin reported that Lewis Hunter had refused the offer of $400. for his property, whereupon the following resolution was presented and carried on roll coll.

Resolved: That the Joint Meeting having failed to agree with the owners, occupants and others interested in the price to be paid for the right of way through the Lewis Hunter property on Lyons Avenue, Irvington, Counsel be directed to take action to bring the matter before a commission to condemn the right of way through said property.

Mr. Martin reported that the Ultimate Realty Co. said refused $400.00 for their property.

Resolved: That the Joint Meeting having failed to agree with the owners, occupants and others interested in the price to be paid for the right of way through the property of the Ultimate Realty Company on Lyons Avenue, Irvington, Counsel be directed to take action to bring the matter before a commission to condemn the right of way through said property.

Moved that Mr. Martin be authorized to close the matter of the Salvatore Masina property on Nye Avenue, Irvington, for $700.00. Carried on roll call.

Mr. Martin reported that he was unable to agree with Mr. Lacombe on a price to be paid for properties on Madison Avenue

and Allyn Street, Irvington. The following resolution was then presented and carried on roll call:

RESOLVED, by the Joint Meeting of the several municipalities constituting it, contracting for the construction and maintenance of a Supplementary Joint Trunk Sewer, that the said Joint Meeting deems it necessary and has determined to take and appropriate for the purpose of said improvements, the following described lands, real estate and interest therein shown on maps or plans on file in the office of the Joint Meeting, showing the location of the Supplementary Joint Trunk Sewer for the several municipalities comprising the Joint Meeting, prepared by Alexander Potter, Chief Engineer:

Tract No. 1 *of Lacombe Property on Madison Avenue, Irvington, N. J.*

Beginning at a point on the northerly side of Madison Avenue 474.2 feet easterly along said line from the easterly property line of Stuyvesant Avenue, being also 25 feet westerly from the center line of the City of Newark storm sewer; the center of a 10-foot right of way extends N 13° 32' E, being approximately parallel to the City of Newark storm sewer, 218.5 feet more or less to a point on the southerly side of Allen Street, said point being 394.2 feet more or less easterly along said side from the easterly property line of Stuyvesant Avenue.

Together with the temporary use and right of way during the period of construction only of an additional strip 50 feet wide immediately adjoining said 10 foot strip on the easterly side thereof and parallel to it.

Tract No. 2, of Lacombe Property on Allen Street Irvington, N. J.

Beginning at a point on the northerly side of Allen Street 375.3 feet more or less easterly along said line from the easterly property line of Stuyvesant Avenue, being also 19 feet from the center line of the City of Newark storm sewer; the center line of a 10-foot right of way extends N 12° 40' E, being approximately parallel to the City of Newark storm sewer, 116.1 feet more or less to an angle, thence N 62° 44' E 36.3 feet more or less to the northerly line of the property.

Together with the temporary use and right of way during the period of construction only of an additional strip 50 feet wide immediately adjoining said 10 foot strip on the easterly side thereof and parallel to it.

And BE IT FURTHER RESOLVED, that the said Joint Meeting deems a reasonable compensation for said lands and real estate therein to be paid to the owners thereof, subject to existing rights of the Joint Meeting in any of said lands, the following sums of money, and does authorize contracts to be made for the purchase of said lands and real estate and interest therein, for said sums of money following, viz.:

To Stuyvesant and Madison Realty Corp. the sum of $550.00.

Moved that the offer of the Lackawanna Realty Company, the Estate of Herbert L. Pierson and Edward and Clement Brown for a right of way through their properties at $2.25 a foot be accepted. Carried on roll call.

Moved that check No. 291 to Louis H. Amsler Company for $89.64 be cancelled.

The following bills were read and on roll call ordered paid after being approved by the Auditing Committee:

Voucher		
321—Wm. S. Levins	Executive Committee	83.33
322—R. S. Earl	"	83.33
323—H. J. Stanley	"	83.33
324—Ed. Hornbeck	"	83.33
325—Wellington Campbell	"	83.33
326—Thomas L. Raymond	"	83.33
327—H. Biringer	"	83.33
328—E. M. Barradale	"	83.33
329—O. O. Oaks	"	83.33
330—A. B.Kline	"	83.33
331—F. A. O'Connor	"	83.33
332—S.H. Rollinson	Salary	208.33
333—R. S. Earl	"	208.33
334—E. S. Rankin	"	291.66
335—L. Z. Zehnbauer	"	150.00

336—J. P. Martin	"	150.00
337—A. A. Sauer	"	150.00
338—Ira T. Redfern	"	150.00
339—Thomas O'Connor	"	150.00
340—Hardham Printing Co.	Stationery	4.25
341—E. S. Rankin	Expense Account	5.46
342—Kemp Press	Printing	68.50

On motion the meeting adjourn at 4.10 P. M.

E. S. Rankin

Secretary

Joint Meeting, October 13, 1927

(Maintenance)

A Joint Meeting for maintenance was held at the Newark City Hall on the above date at 2:45 P. M., Dr. Campbell in the chair, and all municipalities represented except South Orange.

On motion the minutes of the last meeting were approved as printed.

Mr. Potter reported that on Section V, the sewer had broken owing to the construction of the new Joint Sewer alongside of it.

The Treasurer reported that the balance on hand was $756.03.

Mr. Stanley made a report on the truck, and after some discussion it was moved that we purchase a ¾ ton Dodge truck. Carried on roll call—5 ayes—no no's.

The following bills were read and on motion ordered paid after being approved by the Auditing Committee:

Alexander Potter	September Salary	$83.33
C. W. Sandford	" "	225.00
J. J. Keating	" "	200.00
E. S. Rankin	" "	29.16
S. H. Rollinson	Third Quarter Salary	62.50
Kemp Press	Printing Minutes	9.00
N. Y. Telephone Co.	Service	35.85
E. S. Rankin, Secretary	Petty Cash	144.00

On motion the meeting adjourned at 3 P. M.

E. S. Rankin
Secretary

(Construction)

A Joint Meeting for construction was held on the above date at the Newark City Hall at 3 P. M., Mayor Rollinson in the chair, and all municipalities represented except Maplewood, Newark and Roselle Park.

Mr. Pringle requested that the following corrections be made to the minutes of the last meeting: Insert the words, "to wit, the easement or right to construct and maintain said sewer therein" after the first paragraph of each of the resolutions relating to condemnation, and the words, "and interest" after the words, "real estate" in the last paragraph of each of the resolutions relating to condemnation. Also that the figures "83.33" were inserted once too often in the list of bills. With these corrections on motion the minutes were approved as printed.

The Engineer presented current estimate No. 3 on Section V. which on motion was referred to the Auditing Committee and ordered paid if found correct.

JOINT MEETING
SUPPLEMENTARY JOINT TRUNK SEWER
SECTION V.

Spiniello Construction Co., — Contractor

Monthly Approximate Estimate No.3

October 10, 1927.

ITEM	DESCRIPTION			
1A-1	871.0 cu. yds. Class "A" Rock Excavation depth 0-10'	@	3.00	$ 2,613.00
1A-2	1,677.0 cu. yds. Class "A" Rock Excavation depth over 10'	@	5.00	8,385.00
1B-1	4,388.0 cu. yds. Class "B" Rock Excavation depth 0-10'	@	2.00	8,776.00
1B-2	325.0 cu. yds. Class "B" Rock Excavation depth over 10'	@	2.25	731.25
1C-1	1,007.0 cu. yds. Class "C" Quicksand depth 0-10'	@	4.00	4,028.00
1C-2	321.0 cu. yds. Class "C" Quicksand depth over 10'	@	4.00	1,284.00
1D-1	6,678.0 cu. yds. Class "D" Earth Excavation depth 0-10'	@	1.75	11,686.50
1D-2	1,041.0 cu. yds. Class "D" Earth Excavation depth over 10'	@	4.00	4,164.00
3	1,545.0 lin. ft. 6" Underdrains	@	.10	154.50
4	154M ft. B. M. Timber left in place	@	55.00	8,470.00
4A	1.8M ft. B. M. Creosoted Timber	@	250.00	450.00
6	58.0 sq. yds. Temporary Pavements	@	1.00	58.00
8A	8.45 cu. yds. Class "A" Concrete	@	30.00	253.50
8C	123.0 cu. yds. Class "C" Concrete	@	16.00	1,968.00

8D	107.0 cu. yds. Class "D" Concrete	@	10.00	1,070.00
11A	139.0 lin. ft. 42" Sewer R. C., 0-8' dp.	@	6.05	840.95
	90.0 lin. ft. 42" Sewer, R. C., 8-12' dp.	@	6.10	549.00
	38.5 lin. ft. 42" Sewer, R. C., 12-16' dp.	@	6.15	236.78
11B	636.5 lin. ft. 33" Sewer, R. C., 0-8' dp.	@	4.55	2,896.08
	569.0 lin. ft. 33" Sewer, R. C., 8-12' dp.	@	4.60	2,617.40
11E	1,117.0 lin. ft. 24" Sewer, R. C., 8-12 dp.	@	3.25	3,630.25
	280.0 lin. ft. 24" Sewer, R. C., 12-16' dp.	@	3.30	924.00
12A	3,385.0 lin. ft. 42" Pressure Pipe, R. C. dp.	@	11.00	37,235.00
13C	1 25.0 lin. ft. 20" Sewer, Vitr. 0-8' dp.	@	3.00	375.00
	305.0 lin. ft. 20" Sewer, Vitr. 8-12' dp.	@	3.05	930.25
	60.0 lin ft. 20" Sewer, Vitr. 12-16' dp.	@	3.10	186.00
	415.0 lin. ft. 20" Sewer, Vitr. 16-20' dp.	@	3.15	1,307.25
13E	290.0 lin. ft. 15" Sewer, Vitr. 0-8' dp.	@	2.05	594.50
16	16 - Manholes 0-10' deep	@	100.00	1,600.00
16A	66.0 ft. Extra Depth of Manholes	@	15.00	990.00
16B	11.6 ft. Drop Manholes	@	20.00	232.00
16E	3 - Pressure Manholes	@	100.00	300.00
17	13 - Tee Branches	@	3.00	39.00
19	113,219.0 sq. ft. Bituminous Coating	@	.10	11,321.90
20	307.0 cu. yds. Broken Stone	@	10.00	3,070.00
21B	87.2 lin. ft. 42" Class "A" C. I. Pipe	@	22.00	1,918.40
	108.0 lin. ft. 18" Class "A" C. I. Pipe	@	7.50	810.00
	Premium on Bond			6,764.04
				$133,459.55
	Less 15% retained			20,018.93
				$113,440.62

MATERIAL ON HAND

520 ft. 42" Pressure Pipe	@	$ 6.50	$3,380.00
600 ft. 42" Concrete Pipe	@	4.00	2,400.00
1,675 ft. 20" Vitrified Pipe	@	1.50	2,512.50
360 ft. 18" Vitrified Pipe	@	1.20	432.00
1,500 ft. 15" Vitrified Pipe	@	.75	1,125.00
1,000 ft. 6" Vitrified Pipe	@	.1375	137.50
40.56 tons 42" C. I. Pipe (156 ft.)	@	44.60	1,808.98
79.60 tons 36" C. I. Pipe (348 ft.)	@	46.60	3,709.36
13,712 lbs. C. I. Specials	@	.0625	857.00
2,160 lbs. C. I. Specials	@	.08	172.80
42M ft. B. M. Timber	@	32.50	1,365.00
Value of Material on Hand			$17,900.14

Less 10% retained	1,790.01	
90% of Value of Material on Hand		$16,110.13
		$129,550.75
LESS PREVIOUS PAYMENTS		
Estimate No. 1	$15,735.05	
Estimate No. 2	55,771.63	
		$71,506.68
AMOUNT DUE CONTRACTOH		$58,044.07

I hereby certifiy that the above amount of $58,044.07 is now due and owing to the contractor, Spiniello Construction Co., for work done in connection with Section V of the Supplementary Joint Trunk Sewer in Essex and Union Counties, N. J. up to October 10, 1927.

Alexander Potter
Consulting Engineer

He also presented his bill for services which followed the same course. The Engineer then presented the following report which on motion was received and order printed with the exception of the clause relating to a sewer in Cincinnati:

TO THE
JOINT MEETING.

Gentlemen:

I submit herewith Estimate No. 3 on Section V of the Supplementary Joint Trunk Sewer, amounting to $58,044.07; also my bill for services on the value of the work done to date, exclusive of material on hand, amounting to $3,908.82.

On Sunday, the existing Joint Trunk Sewer on private right of way between Mill Road and Union Street exploded due to excessive pressure on the pipe and the close proximity of the excavation from the new sewer to the old sewer. In order to repair the break so that the contractor could proceed with the work, it was necessary to relieve the head upon the sewer and for a while a larger percentage of the sewage was being by-passed into the river than is usually the case, with the result that complaints were made by riparian owners along the river.

Every effort was made to repair the break at the earliest possible moment, but the accident afforded an illustration of how serious the whole Joint Trunk Sewer situation is and the need for the promptest action in relieving the existing sewer. The pressure has been sufficient to blow out many of the joints and thus effect the existing sewer and make it subject to failure.

This morning we had a similar occurrence in Augusta Street. Due to the presence of so many structures in that street, the new sewer comes within 1½ feet of the existing sewer. Because of the excessive pressure on the existing Augusta Street sewer, a section has collapsed and cannot be repaired until the water in the sewer recedes. Just how many other sections of the sewer will be found in the same condition as that exposed on the lower part of Section V, it is impossible to say.

I have asked the inspector, Mr. Corey W. Sandford, to make an examination so that he may be able to make proper arrangements for meeting similar conditions which may arise on other sections of the sewer.

We are carefully watching Section III to see that a similar trouble does not occur on this section, where the new sewer must necessarily be laid in close proximity to the old sewer.

Rights of Way—Mr. Zehnbauer will report that the threat of condemnation proceedings has enabled him to secure lower prices for rights of way at the lower end of Section IV, and I have authorized him, subject to the approval of the Joint Meeting, to sign right of way agreements with the five owners who have been holding out for excessive prices, at a figure which both Mr. Zehnbauer and myself believe to be reasonable. These owners now agree to give us the right of way across their property for from $100 to $125. As stated above, Mr. Zehnbauer will probably submit a full report upon the situation.

Maplewood Country Club—Mr. Salmon, who has been conducting negotiations on behalf of this club, advises us that, so far as he is concerned, the agreement reached is satisfactory but unforunately Mr. De Hart, who must be consulted before final ratification is had, is in Chicago and will not return until the end of the week.

In view of the condition of the existing sewer as exposed on Section V, which condition is liable to repeat itself upon Section IV at any time, I am of the opinion that any further delay in getting this work under way may prove very serious to the Joint Meeting.

It will take the printer one week to prepare the specifications before they are submitted to the contractor, and if in that time it should prove that the Maplewood Country Club object to any of the conditions set forth in the specifications, such modifications would be slight and would not retard the letting of the contract.

Respectfully submitted,
Alexander Potter.

A discussion followed on advertising Section IV for bids. It was moved that the Engineer be instructed to have the specifications for Section IV printed. Moved that we advertise for bids for the Venturi meter at Hillside; bids to be received October 27. Carried on roll call.

Mr. Potter stated that he had seen the owners of the five properties which it was proposed to condemn and Messrs. Matthew Gerowitz, and A. Broder had each agreed to accept $100. for the right of way through their properties, and Samuel Gillman, Maurice Gillman and Sol Shaw had agreed to accept $125. each for the right of way through their properties. The following motions were then made and carried on roll call.

Moved that we pay Samuel Gillman $125. for the right of way through his property in accordance with the description printed in the minutes of October 6.

Moved that we pay Matthew Gerowitz $100. for the right of way through his property in accordance with the description printed in the minutes of October 6.

Moved that we pay A. Broder $100. for the right of way through his property in accordance with the description printed in the minutes of October 6.

Moved that we pay Sol Shaw $125. for the right of way through his property in accordance with the description printed in the minutes of October 6.

Moved that we pay Maurice Gillman $125. for the right of way through his property in accordance with the description printed in the minutes of October 6.

The Secretary read a communication from Mrs. Sophia Beyer complaining of damage to her property which on motion was referred to Counsel.

On motion the meeting adjourned at 3:40 P. M.

E. S. Rankin
Secretary

Joint Meeting, October 20, 1927

(Construction)

A meeting of the Joint Meeting was held on the above date in the Newark City Hall, at 3 P. M., Mayor Rollinson in the chair and all municipalities represented except Newark and Summit.

The minutes of the last meeting were approved as printed.

Mr. Potter presented the following report:

TO THE
JOINT MEETING.

Gentlemen:

For some time we have been awaiting the action of the Union Cemetery Association for securing the right-of-way for the Supplementary Joint Trunk Sewer over a distance of about 2,600 feet. The ownership of this land is in dispute.

Mr. Zehnbauer secured an option from Philip Rose, Inc., assumed to be the owner. He also secured a tentative agreement from the Secretary of the Cemetery Association, which has been repudiated by those at present in control of the Cemetery Association.

Both Mr. Pringle and myself have been conducting negotiations with Mr. Koenig, attorney for the Union Cemetery Association, and yesterday I received a copy of a resolution passed by the Cemetery Association which reads as follows:

"The following motion was proposed by Mr. Harry L. Huelsenbeck and seconded by Mr. Chas. F. Dwyer:

'That if the Joint Meeting would lay their new proposed sewer along the southerly boundary on the west side and on the east side of the bridge and thus along the and on the east side of the bridge and thus along the easterly boundary from the bridge to their sewer connection and take the old sewer out, under these conditions the Union Cemetery Association would give them the right of way and ground without charge. If not done in this manner, under the estimated ground valuation, our charge would be $100,000.00.'

It was regularly moved, seconded and adopted that the Secretary be authorized to communicate with the Joint Meeting through our counsel, Mr. Herman Koenig, regarding the above motion."

Besides the alternatives given by the Cemetery Association, we have a third alternative of changing the route of the new sewer around the Cemetery property. I have not investigated either the line around the edge of the Cemetery property or the line which carries us in streets laid out or suggested outside the Cemetery property,. and I should like to be authorized by the Joint Meeting to make the necessary surveys and investigations to see which of the three alternative routes is to be preferred over the line which has already been designed and approved by the Joint Meeting.

I enclose herewith Estimate No. 1 on Section III. This estimate takes no cognizance of the large amount of cast iron pipe delivered upon the ground on which the contractor would be entitled to payment had he submitted to me a release from the sellers. This he has not done. He has, however, submitted releases from the manufacturer of the concrete pipe, and $3,490.85 is included in the estimate for this work.

I also enclose my bill for services, amounting to $1,066.45.

The contractor on Section III has been at work 30 working days out of a total of 250 working days allowed to complete the work, which means that 12% of his time has been consumed. He has constructed less than 8% of the total amount of his contract, so that he is quite behind his schedule. This is partly due to the fact that for two weeks no access roadway was avaidable and, consequently, no material could be brought in.

Respectfully submitted,

Alexander Potter

Moved that Mr. Potter's recommendation that he be authorized to make the necessary surveys in connection with the Union Cemetery property be concurred in. Carried on roll call.

Mr. Potter reported further that he had had a conference with Mr. DeHart just before coming to the meeting and that Mr. DeHart advised him that the contract as submitted to the

Joint Meeting for a right of way through the grounds of the Maplewood Country Club was satisfactory with the exception of two minor matters which could readily be adjusted. Thereupon Mr. Potter recommended that the contract for Section IV be advertised so that bids would be received November 10. Moved that we advertise for bids for Section IV, bids to be received on November 10th at 2 P. M., and that the advertisments be inserted in the same papers as those for Sections III and V. Carried on roll call.

Mr. Pringle was instructed to get in touch with Mr. Williams on the Country Club contract.

Mr. Pringle said that the original copies of the releases should be filed with the Joint Meeting.

Mr. O'Connor reported that the contract with Johnson McKim Johnson Company, Inc., had been drawn up and signed by the company but that it contained certain conditions among them the right to discharge their waste into the sewer. Mr. Potter and Mr. Pringle were instructed to write a letter defining the term "waste" and endeavor to have it added to the contract.

Mr. Sauer reported that the right of way through the Lackawanna Railroad property had been agreed upon and that the contract would be ready next week.

The attorney for Mr. Matthew Gerowitz appeared and said that his client was willing to sell the property for the price he paid for it plus taxes and interest. Moved that the consideration of this matter lay over for one week. Carried on roll call.

Mr. Maurice Gillman appeared and offered to sell his property and that of his brother for $300. apiece. Moved that the offer that was made last meeting stand. Carried.

Mr. Stanley reported that the La Comb property had been sold, and the matter was laid over until next week.

Moved that current estimate No. 1 of Section III and the Engineer's bill be referred to the Finance Committee. Carried on roll call.

JOINT MEETING
SUPPLEMENTARY JOINT TRUNK SEWER
SECTION III

PAULSEN CONSTRUCTION CORPORATION—Contractor

Monthly Approximate Estimate No. 1
October 20, 1927

ITEM	DESCRIPTION			
1B-2	33.1 cu. yds. Class "B" Rock Excavation depth over 10'	@	$ 5.00	$ 165.50
1C-1	281.0 cu. yds. Class "C" Quicksand depth 0-10'	@	3.00	843.00
1C-2	748.5 cu. yds. Class "C" Quicksand depth over10'	@	3.00	2,245.50
1D-1	2,359.7 cu. yds. Class "D" Earth Excavation depth 0-10'	@	1.00	2,359.70
1D-2	29.9 cu. yds. Class "D" Earth Excavation depth over 10'	@	3.00	89.70
3	712 lin. ft. Underdrains	@	.15	106.80
4	77.695M ft. B. M. Timber left in place	@	18.50	1,437.36
11-B	568 lin. ft. 48" Sewer, R. C., 8-12' deep	@	10.95	6,219.60
17	6 - Tee Branches	@	2.00	12.00
19	7,160 sq. ft. Bituminous Coating	@	.05	358.00
20	204.9 cu. yds. Broken Stone	@	6.50	1,331.85
	Premium on Bond			4,220.92
				$19,389.93
	Less 15%			2,908.99
				$16,480.94

MATERIAL ON HAND

736 ft. 48" Concrete Pipe, @$5.27	3,878.72	
Less 10% retained	387.87	
90% of Value of Material on Hand		3,490.85
AMOUNT DUE CONTRACTOR.....		$19,971.79

I hereby certify that the above amount of $19,971.79 is now due and owing to the contractor, Paulsen Construction Corporation, for work done in connection with Section III of the Supplementary Joint Trunk Sewer in Essex and Union Counties, N. J., up to October 20, 1927.

Alexander Potter,
Consulting Engineer

The Secretary presented current estimate No. 3, Section V and the Engineer's bill which were approved at the last meeting and on motion they were ordered paid.

Voucher No. 343 Spiniello Construction Co., Estimate No. 3 Section V, $58,044.07.

Voucher No. 344, Alexander Potter, Engineering Fees, $3,908.82.

On motion the meeting adjourned at 3.40 P. M.

E. S. Rankin ,
Secretary

Joint Meeting, October 27, 1927

(Construction)

A meeting of the Joint Meeting was held on the above date in the Newark City Hall, at 3 P. M., Mayor Rollinson in the chair and all municipalities represented except Irvington and Roselle Park.

On motion the minutes of the last meeting were approved as printed.

Moved that we dispense with the regular order of business and proceed to open the bids for the Venturi meter. The following bids were received:

FOR THE METER CHAMBER:

Luce Bros. & Tocci, $4500. with check for $250.

J. S. Sigretto & Sons, Inc., $3987.50, with check for $200.

FOR THE METER:

Simplex Valve & Meter Co.,$ 1760. with check for $86.

Builders Iron Foundry, $1550. with check for $90.

Moved that the bids be referred to the Engineer for tabulation to report at our next meeting. Carried on roll call.

The Counsel reported that with regard to the rights of way in Irvington he had used up most of the money in Mr Rankin's hands and his and would probably use $1000 tomorrow. Also that in the matter of the Maplewood Country Club the papers were now in the hands of Mr. Gedney.

Mr. Rankin reported that the counsel for the Telephone Company called on him this afternoon and said that they were preparing the agreement for the right of way through their property.

Mr. Potter reported in regard to the Beyer matter that everything could be adjusted with the possible exception of a claim for $35. for damage to furniture. He also stated that it was necessary to take up the existing eight-inch sewer in Augusta Street and that he had substituted a larger size for the new sewer. He said that it was necessary to decide this matter at once and asked that his action be approved. Moved that the action of the Engineer be ratified and confirmed. Carried on roll call.

Mr. Potter also reported progress in the matter of the Union Cemetery Association.

Mr. Zehnbauer said that Samuel Gillman still felt that he should get $300. for his property. No action was taken.

Moved that we rescind the former resolution with regard to the Gerowitz property. Carried on roll call.

The following resolution was then presented and carried on roll call.

RESOLVED, by the Joint Meeting of the several municipalities constituting it, contracting for the construction and maintenance of a Supplementary Joint Trunk Sewer, that the said Joint Meeting deems it necessary and has determined to take and appropriate for the purpose of said improvements, the following described lands, real estate and interest therein shown on maps or plans on file in the office of the Joint Meeting, showing the location of the Supplementary Joint Trunk Sewer for the several municipalities comprising the Joint Meeting, prepared by Alexander Potteer, Chief Engineer to wit: the easement or right to construct and maintain said sewer therein.

Beginning at a point on the northerly side of Harold Street 499.5 feet westerly along said line from the westerly side of Springfield Road, said right of way being 10 feet westerly from and parallel to the line between lots 16 and 17, as shown on a map of the property of the New Idea Realty Co. prepared by Harrison VanDuyne & Sons and dated August, 1911; the center of a 20 foot right of way extends N 56° 30' E 100 feet.

AND BE IT FURTHER RESOLVED, that the said lands and real estate and interest therein to be paid to the owners thereof, subject to existing rights of th Joint Meeting in any of said lands, the following sums of money, and does authorize contracts to be made for the purchase of said lands and real estate and interest therein, for said sums of money following,

To Mathew Gerowitz, $100.00.

Mr. Martin reported that Waclav Herr refused to accept less than $300. for his property. The following resolution was then presented and carried on roll call:

RESOLVED, by the Joint Meeting of the several

municipalities constituting it, contracting for the construction and maintenance of a Supplementary Joint Trunk Sewer, that the said Joint Meeting deems it necessary and has determined to take and appropriate for the purpose of said improvements, the following described lands, real estate and interest therein shown on maps or plans on file in the office of the Joint Meeting, showing the location of the Supplementary Joint Trunk Sewer for the several municipalities comprising the Joint Meeting, prepared by Alexander Potter, Chief Engineer to wit: the easement or right to construct and maintain said sewer therein.

Beginning at a point on the line between the properties of John Muth and Waclav Herr 125 feet from the northwesterly side of Lenox Avenue, measured at right angles thereto, the center of a 20 foot right of way extends N 61° 03' 30" E 59 feet more or less to a point on the line between the properties of Waclav Herr and Herman L. Eberle, said right of way being on the northerly side of, parallel to and binding on the 30 foot right of way for the storm drain of the City of Newark. Together with a 50-foot right of way on the northerly side thereof during the period of construction of the sewer.

AND BE IT FURTHER RESOLVED, that the said lands and real estate and interest therein to be paid to the owners thereof, subject to existing rights of th Joint Meeting in any of said lands, the following sums of money, and does authorize contracts to be made for the purchase of said lands and real estate and interest therein, for said sums of money following viz:

To Waclav Herr, $75.00.

Mr. O'Connor read a letter from Johnson, McKim and Johnson stating that by the terms "waste" they meant domestic sewage only without any trade waste, and said that a copy of the letter could be attached to the option. Moved that the option be accepted with the letter attached. Carried on roll call.

The Treasurer presented the following report:

To the Various Municipalities Comprising
The Joint Meeting.

Gentlemen:

The Treasurer respectfully reports that on the 15th day of September, 1927, the date of his last report, he had

on deposit The Hillside National Bank the sum of $101,050.26.

The Treasurer further reports that he was allowed the sum of $252.24 interest, so that the total amount of cash on hand was the sum of $101,302.50, as shown on Schedule 1.

The Treasurer further reports that since the date of his last report he has executed warrants as shown on Schedule 2, hereunto annexed, amounting to $60,797.68, so that the total amount of cash on hand to date is $40,504.82.

All of which is respectfully submitted this thirteenth day of October, 1927.

Richard S. Earl
Treasurer

SCHEDULE 1

1927			
Sept. 15	Balance	$101,050.26	
Sept. 30	Interest	252.24	
			$101,302.50

SCHEDULE 2

Oct. 6	Wm. S. Levins	83.33	
	R. S. Earl	83.33	
	H. J. Stanley	83.33	
	Ed. Hornbeck	83.33	
	Wellington Campbell	83.33	
	Thomas L. Raymond	83.33	
	H. Biringer	83.33	
	E. M. Barradale	83.33	
	O. O Oaks	83.33	
	A. B. Kline	83.33	
	F. A. O'Connor	83.33	
	S. H. Rollinson	208.33	
	R. S. Earl	208.33	
	E. S. Rankin	291.66	
	L. Z Zehnbauer	150.00	
	J. P. Martin	150.00	
	A. A. Sauer	150.00	
	Ira T. Redfern	150.00	
	Thomas O' Connor	150.00	
	Hardham Printing Co.	4.25	
	E. S. Rankin	5.46	
	Kemp Press	68.50	
	Alex. Potter	2,572.89	
	Spiniello Cons. Co.	55,771.63	
			$60,797.68
	Cash on Hand		$40,504.82

On motion the report was received and ordered printed.

The Secretary presented the following report:

Joint Meeting

Gentlemen:

I present herewith a statement of the Right of Way Account standing in the name of E. G. Pringle and E. S. Rankin, jointly.

RECEIPTS

August 5th, 1927—Cash		$5000.00

DISBURSEMENTS

August 18th—Packard Construction Co.	$1250.00	
August 25th—John H. Schafer	899.00	
August 25th—Tuscan Dairy Farms, Inc.	999.00	
August 25th—Balance	1852.00	5000.00

As further disbursements are liable to be required in the near future, I would recommend that an additional appropriation of $5000.00 be made at this time.

Respectfully

E. S. Rankin
Secretary

Moved that an additional sum of $5000. be transferred to the right of way account. Carried on roll call.

The Secretary read a letter from the Township Clerk of Maplewood stating that the Township had granted the right of way to construct the sewer through their property. Moved that the letter be received and placed on file. Carried on roll call.

The Secretary read the following bills which had already been approved:

Voucher No. 345, Paulsen Construction Co., Section III, Estimate No. 1, $19,971.79.

Voucher No. 347, Alexander Potter Engineering fees, $1,066.45.

Moved that the above bills be paid. Carried on roll call.

The following bill was then read and on motion ordered paid if approved by the Auditing Committee:

Voucher No. 348, Newark Evening News, Advertising Sec. IV. $11.88.

On motion the meeting adjourned at 3. 30 P. M.

E. S. RANKIN,
Secretary.

Joint Meeting of November 3, 1927

(Construction)

A meeting of the Joint Meeting was held on the above date in the Newark City Hall at 3 P. M., Mayor Rollinson in the chair and all municipalities represented except Newark and South Orange.

On motion the minutes of the last meeting were approved as printed.

The Counsel reported that he had been unable to agree with Meyer Zemel, counsel for the Ultimate Realty Company, who thought that they should receive as much as was paid for other similar property.

The Counsel also reported regarding the Maplewood Country Club that the papers were still in the hands of Mr. Gedney.

The Counsel reported further that title for the Lewitt right of way in Millburn had been closed and the money paid.

The Counsel also reported that he had not yet closed with the Pure Milk Farms because there was a question as to the boundaries of the property.

Mr. Martin reported that the Masina agreement had been signed, the consideration being $750. Moved that we authorize the payment of $750 for the Masina property. Carried on roll call.

The Secretary read the following bills which on roll call were ordered paid if found correct.

Voucher			
350	Wm. S. Levins	Executive Committee	83.33
351	R. S. Earl	"	83.33
352	H. J. Stanley	"	83.33
353	Ed. Hornbeck	"	83.33
354	W. Campbell	"	83.33
355	Thomas L. Raymond	"	83.33
356	H. Birringer	"	83.33
357	E. M. Barradale	"	83.33

358	O. O. Oaks	"	83.33
359	A. B. Kline	"	83.33
360	F. A. O'Connor	"	83.33
361	S. H. Rollinson	Salary	208.33
362	R. S. Earl	"	208.33
363	E. S. Rankin	"	291.66
364	L. J. Zehnbauer	"	150.00
365	J. P. Martin	"	150.00
367	Ira T. Redfern	"	150.00
368	Thomas O'Connor	"	150.00
369	Kemp Press	Printing	66.75
370	Edward S. Rankin	Misc. Expense	6.51

Mr. Potter recommended that at the present time the Counsel be authorized to offer the Ultimate Realty Company up to $1,500. Moved that the recommendation be concurred in. Carried on roll call.

Mr. Potter then presented the following report:

November 3, 1927.

TO THE JOINT MEETING.

Gentlemen:

Acting under the authority of the Joint Meeting, I have made surveys for two alternate lines for that portion of Section III of the Supplementary Joint Trunk Sewer where it crosses the Union Cemetery for a distance of 2,460 feet, a contract for which has previously been let to the Paulsen Construction Corporation.

The three plans under advisement are:

1. Paralleling the existing Joint Trunk Sewer with an additional 48" reinforced concrete pipe. The estimated cost of this sewer under the unit prices of the Paulsen Construction Corporation is $54,100. To this must be added the cost of the right-of-way, for which the Union Cemetery Association are asking $100,000.

2. The next plan investigated is a line around the outskirts of the Cemetery property, which will increase the length of the line from 2,460 to 2,690 feet. If this line be

adopted, the right-of-way will be given by the Union Cemetery Association provided the existing Joint Trunk Sewer be abandoned and removed where necessary. This means that if line B be adopted, a pipe 60" in diameter having a capacity both of the old sewer and the new sewer must be constructed and the local trunk lines from Maplewood and Irvington along Stuyvesant Avenue must be redesigned to carry them to the new sewer location. The estimated cost of this sewer is $99,900.

3. The third plan investigated is to avoid the Cemetery altogether in the construction of the new sewer and maintain the existing sewer as it crosses the property of the Union Cemetery Association. The length of this 48" sewer, which is designated as line C upon the plan submitted herewith, is 3,320 feet. This is the same sized sewer as called for by the plans. The estimated cost of this sewer is $82,000. By the adoption of line C, the Township of Union or the properties in Union affected by this sewer will be saved the sum of $17,000 by the elimination of the local sewers which sooner or later must be traversed by the proposed Joint Sewer.

If there is any probability of having to pay $100,000 for the right-of-way, then there is no question but that the proper sewer to construct is along line C. If, however, the right-of-way across the Union Cemetery must be condemned at anything like the price paid for the right-of-way through Union Township, then the wise thing for the Joint Meeting to do is to begin condemnation proceedings against the Union Cemetery Association.

I submit herewith bills from the South Orange Record Publishing Co. for the printing of the specifications of Section IV. The bills are about $75.00 higher than for Section III; this is due to the fact that we have had to print much new matter owing to the description of special work to be done across the Golf Club, making necessary 100 additional pages.

A separate bill is submitted for proposal blanks.

Plans and detailed estimates will be submitted at a later session of the Joint Meeting. On account of the urgency of reaching a decision in this matter, it was not thought ad-

visable to hold up the report until these plans were fully completed.

I have no recommendation to make at this time in reference to the awarding of the contract for the Venturi meter at the Hillside pumping station.

Respectfully submitted,

ALEXANDER POTTER.

Regarding the Union Cemetery Association, Mr. Potter said that he could see no objection to the condemnation proceedings. After some discussion the following resolution was presented and carried on roll call:

RESOLVED, by the Joint Meeting of the several municipalities constituting it, contracting for the construction and maintenance of a Supplementary Joint Trunk Sewer, that the said Joint Meeting deems it necessary and has determined to take and appropriate for the purpose of said improvements, the following described lands, real estate and interest therein shown on maps or plans on file in the office of the Joint Meeting, showing the location of the Supplementary Joint Trunk Sewer for the several municipalities comprising the Joint Meeting, prepared by Alexander Potter, Chief Engineer to wit: the easement or right to construct and maintain said sewer therein.

FIRST TRACT

"Beginning at a point on the easterly property line of Stuyvesant Avenue, 322 feet northerly along said line and the prolongation thereof from the point where the same is intersected by the center line of Oakland Ave., the center of a 10-foot right-of-way extends N. 85° 23' E. 139 feet, thence N. 85° 01' E. 644 feet, thence N. 79 23' E. 36 feet more N. 85 01' E. 644 feet, thence N. 79° 23' E. 36 feet more or less to a point on the line between the properties of the Union Cemetery Co. and the Herman Walker Realty Co., said right-of-way being on the southerly side of, parallel to, and binding on the 15-foot right-of-way of the Existing Joint Trunk Sewer, together with the use of a strip of land 50 feet wide adjoining the above described right-of-way on the north, during the period of construction of the sewer.

SECOND TRACT

"Beginning at a point on the westerly properly line of Stuyvesant Avenue, 483 feet along said line from the line between the properties of the Union Cemetery Co. and Fred Kreuger, the center of a 10-foot right-of-way extends S. 82° 25' W. 453.2 feet, thence S. 89° 20' W. 250 feet, thence N. 85° 10' W. 900.3 feet more or less to a point on the line between the properties of the Union Cemetry Co. and the Estate of James Morrison, said right-of-way being on the southerly side of, parallel to and binding on the 15-foot right-of-way of the existing Joint Trunk Sewer, together with the use of a strip of land 50 feet wide adjoining the above-described right-of-way on the north, during the period of construction of the sewer."

AND BE IT FURTHER RESOLVED, that the said Joint Meeting deems a reasonable compensation for said lands and real estate and interest therein to be paid to the owners thereof, subject to existing rights of the Joint Meeting in any of said lands, the following sums of money, and does authorize contracts to be made for the purchase of said lands and real estate and interest therein, for said sums of money following:

Union Cemetery Association, $2400.

Mr. Potter further reported that the South Orange Record had presented a bill for printing specifications for Section IV for $245.

Mr. Potter recommended that the awarding of the contract for the Venturi meter be postponed.

Mr. Rankin reported that there was now in the treasury $100,000 most of which would be needed during the present month. The following resolution was then presented and carried on roll call:

RESOLVED: That the several Municipalities do raise and pay to the Treasurer of the Joint Meeting the sum of $150,000.00 which shall be assessed upon the Joint Municipalities in accordance with Article IV, Section 3, of said contract; and be it further

RESOLVED: That the Secretary be directed to notify

the various Municipalities of such assessment and the proportion to be paid by each: and be it further

RESOLVED: That the said monies be paid to the Treasurer of the Joint Meeting within thirty days of the 3rd day of November, 1927.

Mr. Potter said that he had secured an option from Mr. A. Broder for a right-of-way for the sum of $100. Moved that this option be accepted. Carried on roll call.

On motion the meeting adjourned at 3:40.

EDWARD S. RANKIN,

Secretary.

Joint Meeting of November 10, 1927

Maintenance

A Maintenance meeting was held on the above date in the Newark City Hall at 2 P. M., Dr. Campbell in the chair and representatives present from Irvington, Millburn, Summit and West Orange.

The following resolution was presented and on roll call carried:

RESOLVED: That the several Municipalities do raise and pay to the Treasurer of the Joint Meeting the sum of $2,275 which shall be assessed upon the Joint Municipalities in the proportion fixed by the contract between the several Municipalities as provided for the care and maintenance of of the Joint Sewer, *i.e.*, each Municipality paying an equal amount or one-seventh of such assessment (excepting the City of Newark, which shall pay two-sevenths, or one-seventh for Newark and one-seventh for Vailsburg), and further that the Secretary be directed to notify the various Municipalities of such assessment and the proportion to be paid by each; and be it further

RESOLVED: That the said monies be paid to the Treasurer of the Joint Meeting within twenty days of the 10th day of November, 1927.

This is the assessment for the 4th quarter of 1927.

The following bills were read and on roll call ordered paid if approved by the Auditing Committee:

Voucher No.		
3530	Alexander Potter, Oct. salary	$ 83.33
3531	C. W. Sanford, Oct. salary	225.00
3532	J. J. Keating, Oct. salary	200.00
3533	E. S. Rankin, October salary	29.16
3534	Alexander Potter, Nov. salary	83.33
3535	C. W. Sanford, Nov. salary	225.00
3536	J. J. Keating, Nov. salary	200.00
3537	E. S. Rankin, Nov. salary	29.16
3538	Hillas Motor Car Co., Auto Truck	970.00

3539	American Surety Co., Premium on Treas.'s bond	20.00
3540	E. S. Rankin, Sec. petty cash	72.00

On motion the meeting adjourned at 2:05 P. M.

EDWARD S. RANKIN,
Secretary

Joint Meeting of November 10, 1927

Construction

A meeting of the Joint Meeting was held on the above date in the Newark City Hall at 2:05 P. M., Mayor Rollinson in the chair and all municipalities represented except Hillside, Newark, Roselle Park and South Orange.

The secretary reported that voucher No. 366 for $150, salary of A. A. Sauer, was approved but omitted by mistake in the last minutes. With this correction the minutes of the last meeting were approved as printed.

Moved that we suspend the usual order of business and proceed to open bids.

Moved that the receipt of bids be closed. So ordered.

The following bids were then opened and read:

J. F. Murphy Contracting Co., Inc., Check for	$19,000.00	$379,975.00
Peter D'Amato, Check for	14,500.00	285,156.00
J. R. & M. C. Fusco, Inc., & Peter Scola, Check for	15,000.00	228,222.50
R. D. Thomas & Co.	14,000.00	258,668.50
Spiniello Construction Co., Inc., Check for	16,500.00	276,108.00
Pizzimenti Bros., Check for	12,000.00	213,117.50
Pittsburgh Foundation Co., Check for	17,000.00	296,970.00
Rosoff Bros., Inc., Check for	20,000.00	375,863.00
Martin & Miller, Check for	12,750.00	241,116.50

Joseph Cestone, Check for.....	16,500.00	290,392.50
Paulsen Construction Co., Check for..	12,500.00	209,380.10
Angelo Fastiggi, Check for.....	12,672.50	253,450.00
R. F. Relly Contracting Co.....	11,300.00	225,396.00
D. &. M. Contracting Co., Check for..	12,500.00	232,056.50
D. W. Davis & Sons, Check for.....	18,000.00	306,882.50

Moved that these bids be referred to the Engineer for tabulation to report on at our next meeting. Carried on roll call.

Moved that all certified checks with the exception of the five lowest bidders be returned. Carrid on roll call.

Counsel reported that there was a misunderstanding about the width of the right of way through the Maplewood Country Club, and as the Baker Street frontage was to be twenty feet instead of ten they asked $60 a foot additional or a total of $2,400 instead of $1.800. Moved that the sum to be paid to the Maplewood Country Club for right of way be $2,400 instead of $1.800 as previously authorized. Carried on roll call.

Counsel also reported that he was still negotiating with the Ultimate Realty Company.

Counsel also reported that he was unable to agree with Morris Nimaroff. The following resolution was then presented and carried on roll call:

> RESOLVED, by the Joint Meeting of the several municipalities constituting it, contracting for the construction and maintenance of a Supplementary Joint Trunk Sewer, that the said Joint Meeting deems it necessary and has determined to take and appropriate for the purpose of said improvments, the following described lands, real estate and interest therein shown on maps or plans on file in the office of the Joint Meeting, showing the location of the Supplementary Joint Trunk Sewer for the several municipalities comprising the Joint Meeting, prepared by Alexander Potter, Chief Engineer, to wit: the easement or right to construct and maintain said sewer therein.
>
> FIRST TRACT
>
> A strip of land twenty (20') feet in width of which the center line is described as follows:

Beginning at a point in the northerly side line of Yale Avenue distant N. 43° 8½' W. 502.6 feet more or less from the westerly side line of Union Avenue; thence running N. 34° 2½' E. 114.4 feet more or less to a point in the property line of lands of Clinton Cemetery Association; said point being distant N. 46° 19½' W. 526.6 feet more or less from the westerly side line of Union Avenue, together with the use of a strip of land 50 feet wide adjoining the above described right of way on the east, during the period of construction of the sewer.

SECOND TRACT

A strip of land twenty (20') feet in width of which the center line is described as follows:

Beginning at a point in the southerly side line of Yale Avenue distant N. 43° 8½' W. 493.4 feet more or less from the westerly side line of Union Avenue; thence running S. 36° 28½' W. 61.9 feet more or less to a point in the southerly property line of Morris Nimaroff; said point being distant N. 39° 38½' W. 484.9 feet more or less from the westerly side line of Union Avenue, together with the use of a strip of land 50 feet wide adjoining the above described right of way on the east, during the period of construction of the sewer.

AND BE IT FURTHER RESOLVED, that the said Joint Meeting deems a reasonable compensation for said lands and real estate and interest therein to be paid to the owners thereof, subject to existing rights of the Joint Meeting in any of said lands, the following sums of money, and does authorize contracts to be made for the purchase of said lands and real estate and interest therein, for said sums of money following:

Morris Nimaroff, $876.00.

Counsel also reported progress on other rights of way.

Mr. Potter presented the following report:

November 10, 1927.

To the JOINT MEETING.

Gentlemen:

In the construction of the sewer on Augusta Street between May Street and Springfield Avenue, the sewer was

depressed from Nye Avenue to Clinton Avenue in order that we might get under the existing storm sewer and keep the sewer in the street.

An examination of the actual location of the existing structures in Augusta Street between Nye Avenue and Clinton Avenue disclosed that it would be difficult to locate the new sewer in the street without greatly added expense.

I have taken this matter up with Mr. I. J. Casey, Jr., the Town Engineer of Irvington, and he does not object to a modification in the line carrying the sewer from Nye Avenue to Clinton Avenue on the sidewalk.

With this change in location, I have revised the grades so that the new sewer will not be subject to the drainage from the existing storm sewer and will lessen the hazard in passing a four-story building near Clinton Avenue. This, however, will require the flattening of the grade on Sharon Avenue and, consequently, a larger sized pipe. The amount of excavation saved by the change more than offsets the increased cost in the use of the 24" pine on the flatter grade between Clinton Avenue and Springfield Avenue.

I have authorized the contractor to proceed with this work, as it does not involve any increase in its cost.

Respectfully submitted

ALEXANDER POTTER.

Moved that the action of the Engineer be ratified and confirmed. Carried on roll call.

The Secretary asked instructions as to the checks received with the Centuri meter bids. Moved that all bids for the Venturi meter be hereby rejected and all checks returned to the bidders. Carried on roll call.

The Secretary read the following bills:

Voucher No.		
371	South Orange Record	$255.00
372	Engineering News Record	71.20
373	Elizabeth Daily Journal	19.14
374	Newark Evening News	25.92

Moved that these bills be referred to the Auditing Committee and paid if found correct. Carried on roll call.

The Treasurer's report was read and on motion received and ordered printed.

JOINT MEETING

November 10th, 1927.

To The Various Municipalities Comprising
The Joint Meeting.

Gentlemen:

The Treasurer respectfully reports that on the 13th day of October, 1927, the date of his last report, he had on deposit the sum of $40,504.82. He also reports that since the date of his last report he has received from various municipalities the sum of $150,088.00, so that the total amount on deposit is the sum of $190,504.82.

The Treasurer further reports that he was allowed the sum of $88.02 interest, so that the total amount of cash on hand was the sum of $190,582.84, as shown on Schedule 1.

The Treasurer further reports that since the date of his last report he has executed warrants as shown on Schedule 2, hereunto annexed, amounting to $90,451.22, so that the total amount of cash on hand to date is $100,141.62.

All of which is respectfully submitted this tenth day of November, 1927.

RICHARD S. EARL,
Treasurer.

SCHEDULE 1

1927			
Oct. 13	Balance	$40,504.82	
18	Irvington	51,705.00	
26	South Orange	2,535.00	
26	Newark	56,760.00	
26	Maplewood	11,220.00	
28	East Orange	27,780.00	
31	Interest	88.02	
			$190,592.84

SCHEDULE 2

1927			
Nov. 3	Spiniello Construction Co..	$58,044.07	
	Alex. Potter	3,908.82	
	Paulsen Construction Co..	19,971.79	
	Alex. Potter	1,066.45	
	Newark News	11.88	
	Pringle & Rankin	5,000.00	
	Wm. S. Levins	83.33	
	R. S. Earl	83.33	
	H. J. Stanley	83.33	
	Ed. Hornbeck	83.33	
	W. Campbell	83.33	
	Thomas L. Raymond	83.33	
	E. M. Barradale	83.33	
	O. O. Oaks	83.33	
	A. B. Kline	83.33	
	F. A. O'Connor	83.33	
	S. H. Rollinson	208.33	
	R. S. Earl	208.33	
	E. S. Rankin	291.66	
	L. J. Zehnbauer	150.00	
	J. P. Martin	150.00	
	A. A. Sauer	150.00	
	Ira T. Redfern	150.00	
	Thomas O'Connor	150.00	
	Kemp Press	66.75	
	Edward S. Rankin.....	6.51	
			$90,451.22
	Cash on hand...		$100,141.62

On motion the meeting adjourned at 3:25.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of November 17, 1927

Construction

A meeting of the Joint Meeting was held on the above date in the Newark City Hall at 3 P. M. Mayor Rollinson in the chair and all municipalities represented except South Orange, West Orange and Newark.

On motion the minutes of the last meeting were approved as printed.

The Engineer presented the following report:

November 17, 1927.

TO THE JOINT MEETING:

I submit herewith a canvas of the bids for Section 4 of the Supplementary Joint Trunk Sewer. After checking and tabulating the proposals, I find that the five lowest bidders, arranged in the order of the amounts of their bids, are as follows:

Paulsen Construction Co.	$209,380.10
Pizzimenti Brothers	214,667.50
R. F. Relly Construction Co.	225,396.00
J. R. & M. C. Fusco & Peter Scola	228,222.50
D. & M. Contracting Co.	232,056.50

The order of these five bidders and their amounts are the same as originally read off at the last meeting, except that the total in the bid submitted by Pizzimenti Brothers and read off as such, was $213,117.50. The figure in their proposal should have been $214,667.50 as listed above, the difference being apparently caused by an arithmetical error by Pizzimenti Brothers in adding up the extensions in their proposals, but these were not of sufficient moment to affect the standing of these bidders.

The tabulation of the bidders shows that the Paulsen Construction Company is the low bidder on this section of the Supplementary Joint Trunk Sewer. I recommend that the contract for this work be awarded to them and that the certified checks of the other bidders, which have been retained, be returned.

In connection with the construction of Section 5 of the Supplementary Joint Trunk Sewer in Irvington, it became necessary to pass under the tracks of the Lehigh Valley Railroad Company at Paine Avenue in that Municipality. As the Contractor desired to do this work last Sunday, which time interferred least with the traffic of the Railroad, I found it necessary to secure immediately the necessary permission from the Railroad authorities. I was informed by them that this was a private crossing and that before permission would be granted it would be necessary that a temporary agreement be signed guaranteeing the signing of the final agreement. As there was nothing else to do except that which the Railroad Company requested, I signed the temporary agreement, copy of which is herewith submitted, and paid the necessary $15.00 in connction with the application. I request that this action be ratified and that the Treasurer be instructed to reimburse me for this amount. The Sewer was constructed under this Railroad last Sunday to the satisfaction of both the Railroad Company and your Engineer.

I submit herewith estimate number 4 for the construction of Section 5 of the Supplementary Joint Trunk Sewer, amounting to $43,028.43—also my bill for services.

The work on sections 3 and 5 has been progressing as well as can be expected taking into consideration the inclement weather of the past week.

Respectfully submitted,

ALEXANDER POTTER.

Moved that the contract be awarded to the Paulsen Construction Company for $209,380.10. Carried on roll call.

Moved that the certified checks of the unsuccessful bidders be returned. Carried on roll call.

Moved that the Engineer acted properly in signing the temporary agreement with Lehigh Valley R. R. in the matter of the crossing at Paine Avenue, Irvington, but that the same be referred to Counsel to the end that we should pay a lump sum instead of an annual payment. Carried on roll call.

Moved that the Secretary and Counsel be hereby authorized to return to Mr. Potter the $15.00 advanced in the securing of this crossing. Carried on roll call.

Moved that the sum of $43,028.43 be paid to Spiniello Construction Company for work done on Section V. Carried on roll call.

Moved that the bill of Alexander Potter for $2,981.52 be referred to the Auditing Committee and paid if found correct. Carried on roll call.

Moved that the officers of the Joint Meeting be and are hereby authorized and directed to execute a contract to the Paulsen Construction Company for the construction of Section IV, the contract to be approved by Counsel and accompanied by a proper bond. Carried on roll call.

The Engineer stated that he had the copies of the contract prepared ready for approval and execution.

The Secretary reported that it has not been possible to secure an agreement with the Union Cemetery Association (otherwise known as Hollywood Cemetery).

Moved that Counsel be directed to proceed with condemnation proceedings against the Union Cemetery Association ,otherwise known as Hollywood Cemetery). Carried on roll call.

Counsel reported that he had received the proposed contract with the Lackawanna Railroad relative to a right of way along and across its property and he would like to have an opportunity to examine the contract and report at our next meeting.

Moved that the Engineer be directed to write to Spiniello Construction Company and tell them to remove a tree from the property of John H. Schaefer and restore the premises to the proper condition. Carried on roll call.

The Chairman reported the receipt of a letter from D. C. Bowen, Director of the State Board of Health, inquiring as to the progress toward the construction of the disposal works. On motion the matter was referred to the Engineer for information and the Chairman was directed to forward the Engineer's report to th State Board of Health. Carried on roll call.

On motion the meeting adjourned at 4 P. M.

EDITH J. RANKIN,
Secretary pro tem.

Joint Meeting of December 1, 1927

Construction

A meeting of the Joint Meeting was held in the Newark City Hall on the above date, Mayor Rollinson in the chair and all municipalities represented except Newark and West Orange.

The minutes of the last meeting were approved as printed.

The Counsel reported that $10,000 had been deposited to the joint account of the Counsel and Secretary and had all been checked out except $1,738.63 and more would be required shortly.

Moved that authority be given to the proper officers of the Joint Meeting to execute warrants in the amounts and to the persons mentioned below to be delivered when and as required by Counsel in payment for rights of way. Carried on roll call.

Clinton Cemetery Association	$1,593.00
W. A. Manda, Inc.	3,500.00
Lackawanna Realty Co.	1,327.50
Est of Herbert L. Pierson	2,738.25
S. Messina	750.00
Philip Rose	882.00
Gilbert Smith, Jr.	500.00
Clara Fish	700.00
Maplewood Country Club	2,400.00

The Engineer presented Estimate No. 2, Section III, as follows:

JOINT MEETING

SUPPLEMENTARY JOINT TRUNK SEWER

SECTION III

Monthly Approximate Estimate No. 2 November 28, 1927. Paulsen Construction Corp., Contractor.

Item	Description	
1B-1	464.2 cu. yds, Class "B" Rock Excavation at $4.50 depth 0-10'	$ 2,088.90
1B-2	145.6 cu. yds. Class "B" Rock Excavation at $5.00 depth over 10'	728.00

1C-1	836.2	cu. yds. Class "C" Quicksand at $3.00..... depth 0-10'	2,508.60
1C-2	1,426.6	cu. yds. Class "C" Quicksand at $3.00..... depth over 10'	4,279.80
1D-1	4,429.7	cu. yds. Class "D" Earth Excavation at $1.00.. depth 0-10'	4,429.70
1D-2	139.0	cu. yds. Class "D" Earth Excavation at $3.00.. depth over 10'	417.00
3	1,975.0	lin. ft. Underdrains at $ .15.....	296.25
4	126.474M	ft. B.M. Timber left in place at $18.50.....	2,339.77
8A	2.6	cu: yds. Class "A" Concrete at $17.00.....	44.20
8B	175.8	cu. yds. Class "B" Concrete at $12.00.....	2,109.60
10B	4.0	lin. ft. 48" Sewer, R.C., 8-12' dp. at $11.95..... built in place	47.80
	6.9	lin. ft. 48" Sewer, R.C., 16-20' dp. at $12.95..... built in place	89.36
11B	1,170.0	lin. ft. 48" Sewer, R.C., 8-12' dp. at $10.95..... precast	12,811.50
	460.0	lin. ft. 48" Sewer, R.C., 12-16' dp. at $11.45..... precast	5,267.00
	155.5	lin. ft. 48" Sewer, R.C., 16-20' dp. at $11.95..... precast	1,858.23
16	4—	Manholes, 0-10' deep at $100.00.....	400.00
16A	15.8	ft. Extra Depth of Manholes at $15.00.....	237.00
17	12—	Tee Branches at $2.00.....	24.00
19	21,217.0	sq. ft. Bituminous Coating at $ .05.....	1,060.85
20	575.9	cu. yds. Broken Stone at $6.50.....	3,743.35
21B-1	1,116.0	lin. ft. 54" Class "A" C.I. Pipe at $27.00.....	30,132.00
		Premium on Bond.....	4,220.92
			$79,133.83
		Less 15 per cent. retained.....	11,870.07
			$67,263.76

Force Account Work:

Manhole at Station 57+00, 4.5' wide, ⅛ excess size, ⅛ x $100.00	$12.50	
Manhole at Station 60+57, 5.0' wide, ¼ excess size, ¼ x $100.00	25.00	
Manhole at Station 67+17, 4.5' wide, ⅛ excess size, ⅛ x $100.00	12.50	
		50.00
		$67,313.76

MATERIAL ON HAND

124 ft. 54" R.C. Pipe at $8.60	$1,066.40	
Less 10 per cent. retained	106.64	
90 per cent of Value of Material on Hand...		959.76
		$68,273.52
Less Previous Payment: Estimate No. 1		19,971.79
AMOUNT DUE CONTRACTOR		$48,301.73

I hereby certify that the above amount of $48,301.73 is now due and owing to the contractor, Paulsen Construction Corporation, for work done in connection with Section III of the Supplementary Joint Trunk Sewer in Essex and Union Counties, N. J., up to November 28, 1927.

ALEXANDER POTTER,

Consulting Engineer.

Moved that the matter be referred to the Auditing Committee with power to order it paid if found correct. Carried on roll call.

Moved that the bill of Mr. Potter for commission on the above be referred to the Auditing Committee and paid if found correct. Carried on roll call.

Mr. Potter reported progress on the question raised by the State Board of Health as to the location of the disposal plant.

Mr. Spiniello appeared and asked that rights of way be acquired as his work was being delayed.

Moved that the sum of $5,000 be placed to the joint account of Counsel and Secretary for use in obtaining options and rights of way. Carried on roll call.

The following bills were presented:

Voucher No.		
377	Wm. S. Levins, executive committee	$ 83.33
378	Richard S. Earl, executive committee	83.33
379	H. J. Stanley, executive committee	83.33
380	Edward Hornbeck, executive committee	83.33
381	W. Campbell, executive committee	83.33
382	Thomas L. Raymond, Exec. committee	83.33
383	H. Biringer, exerutive committee	83.33

384	E. M. Barradale, executive committee...	83.33
385	O. O. Oaks, executive committee.....	83.33
386	A. B. Kline, executive committee.....	83.33
387	F. A. O'Connor, executive committee...	83.33
388	Canceled	
389	S. H. Rollinson, salary.....	208.33
390	R. S. Earl, salary.....	208.33
391	E. S. Rankin, salary.....	291.66
392	L. J. Zehnbauer, salary.....	150.00
393	J. P. Martin, salary.....	150.00
394	A. A. Sauer, salary.....	150.00
395	Ira T. Redfern, salary.....	150.00
396	Thomas O'Connor, salary.....	150.00
397	Kemp Press, printing.....	33.75
398	Newark Sunday Call, advertising.....	18.92
399	Paulsen Construction Co., Sec. III.....	48,301.73
400	Alexander Potter, Engineer's fees.....	3,288.66
401	Edward S. Rankin, misc. expense.....	8.76
402	Washington Trust Co., trans. of funds..	50,000.00
403	E. G. Pringle and E. S. Rankin, right of way account	5,000.00

Moved that they be referred to the Auditing Committee and paid if found correct. Carried on roll call.

Below is Estimate No. 4, Section V, which was approved at the last meeting but omitted from the minutes:

JOINT MEETING

SUPPLEMENTARY JOINT TRUNK SEWER

SECTION V

Monthly Approximate Estimate No. 4 Spiniello Construction Co.,
November 10, 1927 Contractor.

Item		Description		
1A-1	1,278.0	cu. yds. Class "A" Rock Excavation depth 0-10'	at $3.00...	$ 3,834.00
1A-2	2,049.0	cu. yds. Class "A" Rock Excavation depth over 10'	at $5.00...	10,245.00
1B-1	5,870.0	cu. yds. Class "B" Rock Excavation depth 0-10'	at $2.00...	11,740.00
1B-2	562.0	cu. yds. Class "B" Rock Excavation depth over 10'	at $2.25...	1,264.50

1C-1	2,556.0	cu. yds. Class "C" Quicksand at $4.00..... depth 0-10'	10,224.00
1C-2	555.0	cu. yds. Class "C" Quicksand at $4.00..... depth over 10'	2,220.00
1D-1	9,852.0	cu. yds. Class "D" Earth Excavation at $1.75.. depth 0-10'	17,241.00
1D-2	1,775.0	cu. yds. Class "D" Earth Excavation at $4.00.. depth over 10'	7,100.00
3	2,509.0	lin. ft. 6" Underdrains at $.10.....	250.90
4	301 M	ft. B.M. Timber, left in place, at $55.00.....	16,555.00
4A	1.8M	ft. B.M. Creosoted Timber at $250.00.....	450.00
6	172.0	sq. yds. Temporary Pavements at $1.00.....	172.00
8A	8.45	cu. yds. Class "A" Concrete at $30.00.....	253.50
8C	149.0	cu. yds. Class "C" Concrete at $16.00.....	2,384.00
8D	107.0	cu. yds. Class "D" Concrete at $10.00.....	1,070.00
11A	181.0	lin. ft. 42" Sewer, R.C., 0-8' deep at $6.05....	1,095.05
	98.0	lin. ft. 42" Sewer, R.C., 8-12' deep at $6.10....	597.80
	38.5	lin. ft. 42" Sewer, R.C., 12-16' deep at $6.15....	236.78
	98.0	lin. ft. 42" Sewer, R.C., 16-20' deep at $6.25....	612.50
11B	636.5	lin. ft. 33" Sewer, R.C., 0-8' deep at $4.55....	2,896.08
	569.0	lin. ft. 33" Sewer, R.C., 8-12' deep at $4.60....	2,617.40
11E	1,762.0	lin. ft. 24" Sewer, R.C., 8-12' deep at $3.25....	5,726.50
	280.0	lin. ft. 24" Sewer, R.C., 12-16' deep at $3.30....	924.00
12A	4,324.0	lin. ft. 42" Pressure Pipe, R.C., at $11.00.....	47,564.00
13C	242.0	lin. ft. 20" Sewer, Vitr. 0-8' deep at $3.00....	726.00
	1,063.0	lin. ft. 20" Sewer, Vitr. 8-12' deep at $3.05....	3,242.15
	227.0	lin. ft. 20" Sewer, Vitr. 12-16' deep at $3.10....	703.70
	415.0	lin. ft. 20" Sewer, Vitr. 16-20' deep at $3.15....	1,307.25
13E	290.0	lin. ft. 15" Sewer, Vitr. 0-8' deep at $2.05....	594.50
	455.0	lin, ft. 15" Sewer, Vitr. 8-12' deep at $2.05....	932.75
16	23	Manholes 0-10' deep at $100.00.....	2,300.00
16A	94.0	ft. Extra Depth of Manholes at $15.00.....	1,410.00
16B	11.6	ft. Drop Manholes at $20.00.....	232.00
16E	8	Pressure Manholes at $100.00.....	800.00
17	53	Tee Branches at $3.00.....	159.00
19	138,219.0	sq. ft. Bituminous Coating at $.10.....	13,821.90
20	420.0	cu. yds. Broken Stone at $10.00.....	4,200.00
21B	87.2	lin. ft. 42" Class "A" C.I. Pipe at $22.00.....	1,918.40
	108.0	lin. ft. 18" Class "A" C.I. Pipe at $ 7.50.....	810.00
		Premium on Bond.....	6,764.04
			$187,195.70
		Less 15 per cent. retained.....	28,079.35
		Carried forward	$159,116.35

Force Account Work:		
For removing tree from line of sewer on Webster Place at Union Avenue, Irvington, as per attached detailed bill	$180.98	
For house connection on Union Avenue, Irvington, as per attached detailed bill	30.27	
For removing 4 trees and roots from center line of sewer at station 28+50 pressure sewer, Irvington, as per attached detailed bill	241.50	
For labor in cutting down tree and removing stump at station 34+50—42" pressure line on changed line, as per attached detailed bill	20.70	
		473.45
		$159,589.80

MATERIAL ON HAND

700 ft. 42" Concrete Pipe at $4.00	$2,800.00	
1,000 ft. 20" Vitrified Pipe at $1.50	1,500.00	
360 ft. 18" Vitrified Pipe at $1.20	432.00	
2,200 ft. 15" Vitrified Pipe at $ .75	1,650.00	
1,000 ft. 6" Virtified Pipe at $ .1375	137.50	
40.56 tons (156 ft.) 42" C.I. Pipe at $44.60	1,808.98	
79.60 tons (348 ft.) 36" C.I. Pipe at $46.00	3,709.36	
13,712 lbs. C.I. Specials at $ .0625	857.00	
2,160 lbs. C.I. Specials at $ .08	172.80	
42M ft. B.M. Timber at $32.50	1,365.00	
Value of Material on Hand	$14,432.64	
Less 10 per cent. retained	1,443.26	
90 per cent. of Value of Material on Hand		12,989.38
		$172,579.18
Less Previous Payments:		
Estimate No. 1	$15,735.05	
Estimate No. 2	55,771.63	
Estimate No. 3	58,044.07	
		129,550.75
AMOUNT DUE CONTRACTOR		$ 43,028.43

I hereby certify that the above amount of $43,028.43 is now due and owing to the contractor, Spiniello Construction Co., for work done in connection with Section V of the Supplementary Joint Trunk Sewer in Essex and Union Counties, N. J., up to November 10, 1927.

ALEXANDER POTTER,
Consulting Engineer.

For purposes of record the following bills approved at the last meeting are also listed:

Voucher No. 375 Spiniello Constn. Co.....$43,028.43
Voucher No. 376 Alexander Potter, comsn. 2,981.52

On motion the meeting adjourned at 3:55.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of December 8, 1927

Maintenance

A meeting of the Joint Meeting for Maintenance was held on the above date in the Newark City Hall at 2:45 P. M., Dr. Campbell in the chair and all municipalities represented except Newark and South Orange.

On motion the minutes of the last meeting were approved as printed.

Moved that the assessment against the various municipalities be placed at $7,000 for the year 1928.

The following resolution was read:

WHEREAS, In accordance with Chapter 175 of the State Laws of 1919, the Joint Meeting shall before the first day of December in each year make an estimate and determine the cost and expense of maintaining and operating such public improvement for the year beginning the first day of January then next, and shall cause the same to be certified by the Secretary of the Joint Meeting to each of the municipalities contracting for said improvements;

THEREFORE BE IT RESOLVED, That the Joint Meeting hereby estimates and determines the cost and expense of maintaining and operating the Joint Outlet Sewer for the year beginning January 1, 1928, to be the sum of $7,000, and the Secretary is hereby directed to mail a copy of this resolution to each of the municipalities represented in the Joint Meeting.

Moved the adoption of the resolution. Carried on roll call.

The Treasurer presented the following report which on motion was received and ordered printed:

To the Various Municipalities Comprising the
Joint Sewer Meeting.

Gentlemen:—

The Treasurer respectfully reports that on the eighth day of September, 1927, the date of his last report, he had on deposit in the Orange National Bank, the sum of $975.06, with warrants outstanding, aggregating $271.16, so that the

total amount of cash on hand at the date of that report was the sum of $703.90.

The Treasurer further reports that since the date of his last report he has deposited in the Orange National Bank, the sum of $3,980.00, and has been allowed interest by the Orange National Bank to the amount of $5.14, as shown on Schedule 1, hereunto annexed.

The Treasurer further reports that since the date of his last report he has executed warrants, as shown on Schedule II, hereunto annexed, amounting to $3,278.70, so that the total amount of cash on hand at the date of this report is the sum of $1,410.34, with warrants Nos. 3372 and 3383, totaling $17.00, still outstanding, so that the Treasurer has on deposit in the Orange National Bank, the sum of $1,427.34.

All of which is respectfully submitted, this Eighth day of December, 1927.

SIMEON H. ROLLINSON,

Treasurer.

SCHEDULE I

Sept. 8, 1927—Balance cash on hand			$ 703.90
Deposits:			
Sept.			
15	Tap fee, Hillside	$ 10.00	
20	City of Summit	325.00	
26	Township of Millburn	325.00	
	Check of Borman for tap fee	10.00	
	Town of West Orange	325.00	
Oct.			
7	Tap fee	10.00	
	Town of Irvington	325.00	
17	Village of South Orange	325.00	
20	City of Newark	650.00	
Nov.			
15	City of Summit	325.00	
21	Village of South Orange	325.00	
	Town of Irvington	325.00	

30	Check of Hillas Motor Car Co.....	50.00	
	Town of West Orange.....	325.00	
	Township of Millburn.....	325.00	
			3,980.00
Dec. 8	Interest allowed by Bank.....		5.14
			$4,689.04

SCHEDULE II

Disbursements:

Sept.		No.	
9	Kemp Press 3516		$ 4.50
	N. Y. Telephone Co.....3517		35.38
	Travellers' Ins. Co.....3518		21.17
	C. W. Sandford.....3519		76.53
	J. J. Keating.....3520		3.30
	E. S. Rankin, Sec'y.....3521		212.00
30	Alexander Potter 3522		83.33
	C. W. Sandford.....3523		225.00
	J. J. Keating.....3524		200.00
	E. S. Rankin.....3525		29.16
	S. H. Rollinson.....3526		62.50
Oct.			
14	Kemp Press 3527		9.00
	N. Y. Telephone Co.....3528		35.85
	E. S. Rankin, Sec'y.....3529		144.00
31	Alexander Potter 3530		83.33
	C. W. Sandford.....3531		225.00
	J. J. Keating.....3532		200.00
	E. S. Rankin.....3533		29.16
Nov.			
30	Alexander Potter 3534		83.33
	C. W. Sandford.....3535		225.00
	J. J. Keating.....3536		200.00
	E. S. Rankin.....3537		29.16
	Hillas Motor Car Co.....3538		970.00

American Surety Co.	3539	20.00
E. S. Rankin, Sec'y	3540	72.00
		3,278.70

Balance of cash on hand	$1,410.34
The Secretary presented the following bills:	
Wellington Campbell, executive committee	$20.00
H. J. Stanley, executive committee	25.00
J. W. Costello, executive committee	15.00
E. M. Barradale, executive committee	5.00
O. O. Oaks, executive committee	20.00
F. A. O'Connor, executive committee	25.00
Kemp Press, printing minutes	4.50
C. W. Sandford, auto express	43.20
C. W. Sandford, expense account	16.02
E. S. Rankin, Sec'y, petty cash	172.00

Moved that the bills be referred to the Auditing Committee and paid if found correct. Carried on roll call. On motion the meeting adjourned at 3 P. M.

EDWARD S. RANKIN,
Secretary.

Construction

A meeting of the Joint Meeting was held on the above date in the Newark City Hall at 3 P. M., Mayor Rollinson in the chair and all municipalities represented except Newark and Roselle Park.

On motion the minutes of the last meeting were approved as printed.

The Counsel reported that he would probably close the Leavit and Bower title for property in Elizabeth and Linden before the next meeting and that the consideration figured out to $6,292, of which $500 was paid on the contract, leaving a balance of $5,792.

Moved that the proper officers be authorized to execute a warrant to the order of Messrs. Leavit and Bower for a sum not to exceed $5,792 as directed by Council and to deliver the same to Counsel when required. Carried on roll call.

The Counsel adso reported that he had secured a deed from Lewis W. Hunter for right of way through their property on Lyons Avenue for $1,250 which was paid out of the Right of Way Account. He said that in order to secure this deed he had agreed that all materials should be removed from the premises on the completion of the sewer and that $75 would be paid for the fence which had been destroyed.

Moved that the action of the Counsel be ratified. Carried on roll call.

Moved that an additional check for $75 be drawn to Lewis W. Hunter. Carried on roll call.

The Counsel also presented a letter from Mr. Hunter complaining of the condition in which their terrace had been left.

Moved that this communication from Lewis W. Hunter be referred to the Engineer to take up with the contractor and see that the matter is attended to. Carried on roll call.

The report of the Engineer was presented, which on motion was received and ordered printed.

December 8, 1927.

To the Joint Meeting.

Gentlemen:

Paulsen Construction Corporation are ready to proceed with the construction of that portion of Section IV which extends from South Orange Avenue to the West Orange line. So far, we have no definite right-of-way for that portion of the sewer extending from Third Street to South Orange Avenue and until the right-of-way over this portion of the sewer is assured and the cost thereof determined, the change in the line along Church Street may be more desirable and economical as it will render unnecessary the purchase of the right-of-way through the Manda property for which we are obligated to pay $3,500. This change may be the more desirable because the South Orange Playground Commission is asking us to make certain changes in the alignment through their property, which will undoubtedly increase the cost of the sewer. I trust that speedy action can be had in reaching a definite conclusion upon this point, as the contractor will be held up for a location to start work.

I hand you herewith, for the records of the Joint Meeting, the original proposal submitted by the Paulsen Construction Corporation for the construction of Section IV of the Supplementary Joint Trunk Sewer.

I regret my inability to be present at the meeting today, but, with the exception of the issue raised in this letter, there is nothing of an important nature to present to you for consideration.

Respectfully submitted,

ALEXANDER POTTER.

Moved that Mr. Redfern be instructed to ascertain the cost of a right of way through the Sickley property and other property referred to by the Engineer and to report at our next meeting the cost of the same. Carried on roll call.

The Engineer reported that work had begun on Section IV through The Maplewood Country Club property.

The Treasurer's report was read and on motion received and ordered printed. Carried on roll call.

December 8, 1927.

To the Various Municipalities Comprising the Joint Meeting.

Gentlemen:

The Treasurer respectfully reports that on the 10th day of November, 1927, the date of his last report, he had on deposit the sum of $100,141.62. He also reports that since the date of his last report he has received from various municipalities the sum of $150,000, so that the total amount on deposit is the sum of $250,141.62.

The Treasurer further reports that he was allowed the sum of $85.69 interest, so that the total amount of cash on hand was the sum of $250,227.31, as shown on Schedule 1. The Treasurer further reports that since the date of his last report he has executed warrants as shown on Schedule 2, hereunto annexed, amounting to $105,407.98, so that the total amount of cash on hand to date is $144,819.33.

All of which is respectfully submitted this eighth day of December, 1927.

RICHARD S. EARL,
Treasurer.

SCHEDULE 1

1927			
Nov.			
10	Balance	$100,141.62	
22	Summit	18,885.00	
22	Maplewood	21,960.00	
26	West Orange	51,720.00	
28	South Orange	14,895.00	
30	Union	17,415.00	
30	Interest	85.69	
Dec.			
6	Millburn	25,125.00	
			$250,227.31

SCHEDULE 2

1927			
Dec.			
1	South Orange Record	$ 255.00	
	Eng. News Record	71.20	
	Elizabeth Journal	19.14	
	Newark News	25.92	
	Spiniello Construction Co.	43,028.43	
	A. Potter	2,981.52	
	Wm. S. Levins	83.33	
	Richard S. Earl	83.33	
	H. J. Stanley	83.33	
	Edward Hornbeck	83.33	
	W. Campbell	83.33	
	Thomas L. Raymond	83.33	
	H. Biringer	83.33	
	E. M. Barradale	83.33	
	O. O. Oaks	83.33	
	A. B. Kline	83.33	
	F. A. O'Connor	83.33	
	S. H. Rollinson	208.33	
	R. S. Earl	208.33	
	E. S. Rankin	291.66	

L. J. Zehnbauer.....	150.00	
J. P. Martin.....	150.00	
A. A. Sauer.....	150.00	
Ira T. Redfern.....	150.00	
Thomas O'Connor	150.00	
Kemp Press	33.75	
Newark Sunday Call.....	18.92	
Paulsen Construction Co.....	48,301.73	
Alexander Potter	3,288.66	
Edward S. Rankin.....	8.76	
E. G. Pringle & E. S. Rankin	5,000.00	
		$105,407.98
Cash on Hand.....		$144,819.33

On motion the meeting adjourned at 3.20.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of December 15, 1927

Construction

A meeting of the Joint Meeting was held in the Newark City Hall on the above date at 3:20 P. M., Mayor Rollinson in the chair and all municipalities represented except Irvington, Millburn, Newark and Union.

On motion the minutes of the last meeting were approved as printed.

The Counsel reported that he expected to take title to the Leavitt & Bauer property and the Clinton Cemetery property tomorrow.

The Engineer presented the following report which on motion was received and ordered printed:

December 15, 1927.

To the Joint Meeting.

Gentlemen:

A letter from Lewis W. Hunter, Irvington, N. J., addressed to the Joint Meeting, under date of December 7th, complaining about the manner in which the terrace on his property in Lyons Avenue was left, was referred to me.

I took the matter up with the contractor, and he advises me that the terrace on Mr. Hunter's property requires a little more grading and that the whole should be properly seeded. This cannot be done until the Spring, and the contractor obligated himself to undertake to do the work at that time.

I submit herewith Estimate No. 5 on Section V—Spiniello Construction Co.—for work done up to December 10th, amounting to $30,327.05; also my bill for engineering services, amount $2,204.73.

During the month the contractor has started construction on Section IV.

It now appears as if the agreement made, but never signed, with the Public Service Corporation is not yet con-

summated by them, consequently we are at a loss to know where to lay out the sewer along the upper stretches of Section IV.

Mr. Redfern advises me that one of the properties between South Orange Avenue and Third Street has changed hands, and that it will be necessary for him to start negotiations with the new owner.

Mr. Redfern also advises me that another property owner, a Mr. Pellagrino Magliaro, who had advised him months ago that he would be willing to sign at a price satisfactory to Mr. Redfern, has now refused to sign at a price two or three times the amount originally agreed upon.

If we are to be held up on account of rights of way through this district, in the end it might be preferable to change the line to run along Church Street as the Telephone Company, I understand, has consented to permit us to use its right of way to the north of the telephone building, and I would ask authority to prepare plans for this change in route.

The cost of construction of the new line will be greater than that approved by the Joint Meeting, but the new line will obviate the necessity of using the expensive right of way through the Manda property, and relieve the tension due to the uncertainty of securing the right of way from South Orange Avenue to Third Street.

The South Orange Playground Commission has also requested a change in the line from that shown upon the drawings, because, if constructed as shown, it will prevent entrance into the playground for carts which are now, and will through the winter continue to haul material to fill up a low area within the playgrounds.

In view of all these matters, it becomes necessary to make a careful survey of the alternate line which will obviate these various interferences that we are finding at this late date.

I sincerely trust that the trouble that has occurred which has caused the Public Service Corporation to withhold their approval for our right to build the sewer in their right of way, can be speedily cleared up.

The work as a whole, on Sections III and V is not proceeding as fast as we should like, because of the inclement weather.

Respectfully submitted,

ALEXANDER POTTER.

Moved that Mr. Potter be authorized to make the necessary surveys for an alternate line as recommended. Carried on roll call.

Mr. Potter further reported that he and Mr. Pringle had had a conference with the owners of the Hollywood Cemetery but had been unable to reach an agreement. It was decided to hold a conference with the representatives of the Cemetery Association at 2:30 P. M. next Thursday.

Mr. Rollinson presented a letter from D. C. Bowen, Director of the State Department of Health, asking that a report on the treatment plant be sent to them. Mr. Potter was requested to prepare such a report so that it could be forwarded prior to January 10th.

The following bills were presented which were approved at the last meeting:

Voucher No. 404 Lewis W. Hunter, damage to fence, Section V ..... $ 75.00

Voucher No. 405 Clinton Cemetery Association, right of way, Section V 1,593.00

Voucher No. 406 Leavitt & Bauer, purchase of property, Treatment plant 5,792.00

Moved that Estimate No. 5, Section V, and the Engineer's bill be referred to the Auditing Committee and paid if found correct. Carried on roll call.

Moved that Mr. Pringle's bill be referred to the Auditing Committee and paid if found correct. Carried on roll call.

On motion the meeting adjourned at 4 P. M.

EDWARD S. RANKIN,
Secretary.

Joint Meeting of December 22, 1927

Construction

A meeting of the Joint Meeting was held on the above date in the Newark City Hall at 3:15 P. M., Mayor Rollinson in the chair and all municipalities represented except Irvington, Newark, Roselle Park, South Orange and Summit.

On motion the minutes of the previous meeting were approved as printed.

On motion the regular order of business was suspended in order to proceed with the reading of bills. The following bills were then read and on roll call ordered paid if approved by the auditing committee.

Voucher No. 407, E. G. Pringle, Legal Services $4212.75

Voucher No. 408, Alexander Potter, Engineering Fees $2204.73.

Voucher No. 409, Spiniello Construction Co., Est. No. 5, Sec. V., $30,327.05.

Voucher No.410, Paulsen Construction Corporation., Est. No. 3, Sec. 111, $24,901.99.

Voucher No. 411, Alexander Potter, Engineering Fees $1468.85.

The above two estimates are given in detail below:

JOINT MEETING

SUPPLEMENTARY JOINT TRUNK SEWER

SECTION V

Monthly Approximate Estimate No. 5-December 10, 1927
Spiniello Construction Co., Contractor

Item	Description			
1A-1	1,331.0 cu. yds. Class "A" Rock Excavation depth O-10	at	$3.00	3,993.00
1A-2	2,083.0 cu. yds. Class "A" Rock Excavation depth over 10'	at	5.00	10,415.00
1B-1	6,165.0 cu. yds. Class "B" Rock Excavation depth O-10'	at	2.00	12,330.00

1B-2	567.0 cu. yds. Class "B" Rock Excavation depth over 10'	at	2.25	1,275.75
1C-1	2,651.0 cu. yds. Class "C" Quicksand depth 0-10'	at	4.00	10,604.00
1C-2	577.0 cu. yds. Class "C" Quicksand depth over 10'	at	4.00	2,308.00
1D-1	15,186.0 cu. yds. Class "D" Earth Excavation depth 0-10'	at	1.75	26,575.50
1D-2	1,775.0 cu. yds. Class "D" Earth Excavation depth over 10'	at	4.00	7,100.00
3	2,736.0 lin. ft. 6" Underdrains	at	.10	273.60
4	336M ft. B. M. Timber left in place	at	55.00	18,480.00
4A	1.8M ft. B. M. Creosoted Timber	at	250.00	450.00
6	1,220.0 sq. yds. Temporary Pavements	at	1.00	1,220.00
8A	8.45 cu. yds. Class "A" Concrete	at	30.00	253.50
8C	153.0 cu. yds. Class "C" Concrete	at	16.00	2,448.00
8D	107.0 cu. yds. Class "D" concrete	at	10.00	1,070.00
11A	1,160.0 lin. ft. 42" Sewer, R. C., 0-8' dp.	at	6.05	7,018.00
	421.0 lin. ft. 42" Sewer, R. C., 8-12' dp.	at	6.10	2,568.10
	203.0 lin. ft. 42" Sewer, R. C., 12-16' dp.	at	6.15	1,248.45
	222.0 lin. ft. 42" Sewer, R. C., 16-20' dp.	at	6.25	1,387.50
11B	636.5 lin. ft. 33" Sewer, R. C., 0-8' dp.	at	4.55	2,896.08
	569.0 lin. ft. 33" Sewer, R. C., 8-12' dp.	at	4.60	2,617.40
11E	1,762.0 lin. ft. 24" Sewer, R. C., 8-12' dp.	at	3.25	5,726.50
	280.0 lin. ft. 24" Sewer, R. C., 12-16' dp.	at	3.30	924.00
12A	4,324.0 lin. ft. 42" Pressure Pipe, R. C.	at	11.00	47,564.00
13C	242.0 lin. ft. 20" Sewer, Vitr. 0-8' dp.	at	3.00	726.00
	1,387.0 lin. ft. 20" Sewer, Vitr. 8-12' dp.	at	3.05	4,230.35
	227.0 lin. ft. 20" Sewer, Vitr. 12-16' dp.	at	3.10	703.70
	415.0 lin. ft. 20" Sewer, Vitr. 16-20' dp.	at	3.15	1,307.25
13E	1,140.0 lin. ft. 15" Sewer, Vitr. 0-8' dp.	at	2.05	2,337.00
	1,775.0 lin. ft. 15" Sewer, Vitr. 8-12' dp.	at	2.05	3,638.75
	200.0 lin. ft. 15" Sewer, Vitr. 12-16' dp.	at	2.10	420.00
16	44 - Manholes, 0-10' deep	at	100.00	4,400.00
16A	124.0 ft. Extra Depth of Manholes	at	15.00	1,860.00
16B	26.0 ft. Drop Manholes	at	200.00	520.00
16D	8 - Lock Manhole Covers	at	5.00	40.00
16E	8 - Pressure Manholes	at	100.00	800.00
17	59 - Tee Branches	at	3.00	177.00
19	181,227.0 sq. ft. Bituminous Coating	at	.10	18,122.70
20	746.0 cu. yds. Broken Stone	at	10.00	7,460.00
21B	87.2 lin. ft. 42" Class "A" C. I. Pipe	at	22.00	1,918.40
	108.0 lin ft. 18" Class "A" C. I. Pipe	at	7.50	810.00
	48.0 lin. ft. 16" Class "A" C. I. Pipe	at	6.25	300.00

Premium on Bond	6, 764.04
	$227,281.57
Less 15% retained	34,092.23
	$193,189.34
Force Account Work:	
Bills 1—4, as per Estimate No. 4	473.45
	$193,662.79

MATERIAL ON HAND

140 ft. 42" Concrete Pipe	at	$ 4.00	$ 560.00
100 ft. 20" Vitrified Pipe	at	1.50	150.00
360 ft. 18" Vitrified Pipe	at	1.20	432.00
300 ft. 15" Vitrified Pipe	at	.75	225.00
1,000 ft. 6" Vitrified Pipe	at	.1375	137.50
40.56 tons (156 ft.) 42" C. I. Pipe	at	44.60	1,808.98
79.60 tons (384 ft.) 36" C. I. Pipe	at	46.60	3,709.36
13,712 lbs. C. I. Specials	at	.0625	857.00
2,160 lbs C. I. Specials	at	.08	172.80
1,880 lbs. C. I. Specials	at	.06	112.80
1,804 lbs. C. I. Specials	at	.05	90.20
4,069 lbs. C. I. Specials	at	.0775	315.35
80 lin. ft. 20" C. I. Pipe	at	1.925	154.50
2-6" Plug Valves	at	66.00	132.00
4- Hand Sluice Valves	at	12.00	48.00
42M ft. B. M. Timber	at	32.50	1,365.00

Value of Material on Hand	$10,270.49	
Less 10% retained	1,027.05	
90% of Value of Material on Hand		9,243.44
		$202,906.23

LESS PREVIOUS PAYMENTS

Estimate No. 1	$15,735.05	
Estimate No. 2	55,771.63	
Estimate No. 3	58,044.07	
Estimate No. 4	43,028.43	
		$172,579.18
AMOUNT DUE CONTRACTOR		$30,327.05

I hereby certify that the above amount of $30,327.05 is now due and owing to the contractor, Spiniello Construction Co., for work done in connection with Section V of the Supplementary Joint Trunk Sewer in Essex and Union Counties, N. J., up to December 10, 1927.

ALEXANDER POTTER
Consulting Engineer

JOINT MEETING

SUPPLEMENTARY JOINT TRUNK SEWER

SECTION III

Monthly Approximate Estimate No. 5-December 20, 1927
Paulsen Construction Corporation, Contractor

Item	Description			
1B-1	464.2 cu. yds. Class "B" Rock Excavation depth 0-10'	at	$ 4.50	$ 2,088.90
1B-2	161.1 cu. yds. Class "B" Rock Excavation depth over 10'	at	5.00	805.50
1C-1	1,468.2 cu. yds. Class "C" Quicksand depth 0-10'	at	3.00	4,404.60
1C-2	3,586.1 cu. yds. Class "C" Quicksand depth over 10'	at	3.00	10,758.30
1D-1	6,909.3 cu. yds. Class "D" Earth Excavation depth 0-10'	at	1.00	6,909.30
1D2	178.9 cu. yds. Class "D" Earth Excavation depth over 10'	at	3.00	536.70
3	2,225 lin. ft. Underdrains	at	.15	333.75
4	207.03M ft. B. M. Timber left in place	at	18.50	3,830.05
8A	2.6 cu. yds. Class "A" Concrete	at	17.00	.44.20
8B	175.8 cu. yds. Class "B" Concrete	at	12.00	2,109.60
10B	5.0 lin. ft. 48" Sewer, R. C. 8-12' dp. built in place	at	11.95	59.75
	6.9 lin. ft. 48" Sewer, R. C., 16-20' dp. built in place	at	12.95	89.36
11A	49.2 lin. ft. 54" Sewer, R. C., 16-20' dp. precast	at	14.35	706.00
11B	302.0 lin. ft. 48" Sewer, R. C., 0-8' dp. precast	at	10.45	3,155.90

	1,170.0 lin ft. 48" Sewer, R. C., precast	8-12' dp.	at	10.95	12,811.50
	460.0 lin. ft. 48" Sewer, R. C., precast	12-16' dp.	at	11.45	5,267.00
	155.6 lin. ft. 48" Sewer, R. C., precast	16-20' dp.	at	11.95	1,858.23
16	4 - Manholes, 0-10' deep		at	100.00	400.00
16A	15.8 ft. Extra Depth of Manholes		at	15.00	237.00
17	12 -Tees		at	2.00	24.00
19	27,354.0 sq. ft. Bituminous Coating		at	.05	1,367.70
20	707.4 cu. yds. Broken Stone		at	6.50	4,598.10
21B-1	1,416.0 lin. ft. 54" Class "A" C. I. Pipe		at	27.00	38,232.00
23	70% Complete Connection Manhole at Station 67.70		at	500.00	350.00
	Premium on bond				4,220.92
					105,198.36
	Less 15% retained				15,779.75
					89,418.61
	Monthly Estimate No. 2			$50.00	

Force Account Work:

Furnishing and installing 118 sets of Metal Bands and Bolts to hold the 54" cast iron pipe in place on the concrete piers:

	118 sets	at $ 4.38	$516.84		
	59 hrs. labor	at .70	41.30		
			$558.14		
	Plus 15%		83.72		
	Total			541.86	691.86
					$90,110.47

MATERIAL ON HAND

396 ft. 54" Pipe, R. C. at $8.60		3,405.60	
Less 10 % retained		340.56	
90% of Value of Material on Hand			3,065.04
			$93,175.51

LESS PREVIOUS PAYMENTS

Estimate No. 1	$19,971.79	

Estimate No. 2	48,301.73	
		$68.273.52
AMOUNT DUE CONTRACTOR		$24,901.99

I hereby certify that the above amount of $24,901.99 is now due and owing to the contractor, Paulsen Construction Corporation, for work done in connection with Section III of the Supplementary Joint Trunk Sewer in Essex and Union Counties, N. J., up to December 20, 1927.

ALEXANDER POTTER
Consulting Engineer

Mr. Potter presented the following report, which on motion was received and ordered printed.

To the

JOINT MEETING

Gentlemen:

In my report to the Joint Meeting of November 3rd, I gave the results of my study made up to that time of three alternate lines for that portion of Section III of the Supplementary Joint Trunk Sewer which passes through the Union Cemetery property in Union Township.

The three lines were: (A) parallel to the existing Joint Trunk Sewer; (B) around the outskirts of, but within, the Union Cemetery property, and (C) in certain proposed streets, by which the Cemetery property is avoided altogether. I submit herewith a drawing showing the plan and profiles of these three alternate routes.

Of the three lines, the one skirting, but within, the Cemetery property was the most costly. Therefore, lines (A) and (C) are left for consideration.

The difference in the construction cost between line (A) through the Cemetery property and line (C) through the proposed streets, is approximately $28,000 in favor of line (A).

The construction of the Supplementary Joint Trunk Sewer in the streets (line C) would make it unnecessary to install local sewers in these streets, which are estimated to cost $17,000. I have reason to believe that most, if not all, of this amount can be secured form the owners of the properties benefited, if the supplementary sewer is constructed through their streets. In that case, the difference in cost between lines (A) and (C) will be reduced from the above $28,000 to $11,000. This does not necessarily mean that we can afford to pay $11,000 for rights of way, for under the motion passed on March 24th the right of way agents are to receive 10% of the consideration for each contract secured, and the question arises as to whether or not this 10% must be added to the price paid for the right of way, even though we are paying ten times as much per foot for some rights of way as the maximum figure fixed by the Joint Meeting at which the right of way agents were authorized to secure options.

I submit herewith Estimate No. 3 for Section III of the Supplementary Joint Trunk Sewer, which amounts to $24,-901.99; also my bill for engineering services, in the amount of $1,468.85.

Progress is reported on the preparation of a statement giving the cost of construction work, which may be expected during the next calendar year. It is difficult to forecast this with any degree of accuracy, because of the uncertainty as to developments with respect to the location of the sewage disposal plant.

Sections III, IV and V of the Supplementary Joint Trunk Sewer will be finished during 1928. The cost of completing these sections, so far as we are able to determine at present, is as follows:

Section III	$180,000
Section IV	260,000
Section V	270,000

Besides the work under contract, it would seem to me that we should be able to start upon Section I, II and the disposal works within the next three or four months. If so, I am of the opinion that the Joint Meeting will be required to set aside at least the sum of $300,000 for Section I, $200,-000 for Section II, $25,000 for Section IV, and $300,000 for the disposal works.

For the next month's estimate, there will be required $25,000 for Section III, $50,000 for Section IV and $40,000 for Section V.

The estimate for Section IV is due on the first of the month, and the $50,000 above stated for this section includes both the estimate which must be submitted on the first of January and the one to be submitted on the 1st of February.

In view of the difficulties in connection with securing a location for that portion of Section IV of the Supplementary Joint Trunk Sewer which passes through Manda's property and on up through the South Orange Village Playground to Mead Street, as outlined in some detail in my report to you at the last meeting, I have made an investigation into the possibilities of an alternate line along Church Street for this portion of the sewer. I have made a survey of this alternate line and prepared plans and profile of the same and an estimate of the cost of the sewer along the alternate line and also along the corresponding portion of the line in the location shown on the contract plans. Construction cost of the alternate line is about $6,000 more than along the line as shown in the contract plans. However, the rights of way along this line will be probably some $4,000 less than is being asked for right of way along the line shown on the contract plans. For the line as laid out on drawings, we have agreed to pay Manda $3,500 and Magliaro will not accept $1,100. Taking into consideration the other rights of way of this line, it is doubtful if all of them can be secured for less than $5,500. On the Church Street line, the only right of way that will cost anything will be that through Manda's property. The line through his property is much shorter than originally planned and will interfer less with his shrubbery, and we should be able to secure this right of way for about $1,500.

The only other rights of way required for the alternate line through Church Street are through the property of the Village of South Orange, which can be obtained for nothing, and through the alley along the side of the telephone building which right of way can be also be obtained for a negligible sum and without difficulty, as the telephone company has already signified its intention to consent thereto.

The net difference in the cost of the two lines, therefore, in round figures is $2,000 in favor of the line on the contract plans. However, I would recommend that the alternate line

be adopted, if at the end of two weeks definite and satisfactory arrangements cannot be made with Magliaro and other property owners with whom no definite agreement has been effected.

Respectfully submitted,

ALEXANDER POTTER

Mr. Potter presented the following report dealing with the site for the Treatment Plant which on motion was received and ordered filed.

Mr. Potter reported that Hillside had asked that bids for the Venturi Meter be asked for so that they could connect with the Joint sewer as soon as possible. He was authorized to advertise for bids.

Mr. Pringle stated that he had been obliged to pay an additional amount of $171.60 for the right of way through the Clinton Cemetery due to lengthening the line. His action was approved.

After further discussion on the matter of the Treatment Plant and the Union Cemetery right of way the meeting adjourned at 4 P. M. to meet on January 5th, 1928.

EDWARD S. RANKIN
Secretary

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CORRECTIONS

PAGE

158 After "Carried on roll call" insert
Voucher No. 147, Oscar W. Palmenberg Sewage analysis $35.00.

240 Last line, change $19.24 to $19.14.

251 First line, July 28 should be July 25

273 Seventh paragraph Rosner should be Roesner.

291 At end of fourth paragraph insert in blanks, "Liberty Development Co." and "$517.00."

295 Last paragraph, insert "descriptions of" between "regard-garding" and "rights."

312 At end of first and fourth paragraphs add "towit:—the easement or right to construct and maintain said sewer therein." Third paragraph, after "real estate" insert "and interest."

313 Same as on page 312.

314 Same as on page 312.

315 Third line, second paragraph, add "and interest" after "real estate."

316 Same as on page 312.

317 Same as on page 315.

339 Fourth paragraph, for Gedney read Potter.

340 At end of column of bills add No. 366, A. A. Sauer, salary $150.00.

380 For Estimate No. 5 read Estimate No. 3.

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